



Ministerio de Economía y Obras  
y Servicios Públicos  
Secretaría de Agricultura, Ganadería,  
Pesca y Alimentación  
Instituto Nacional de Vitivinicultura

MENDOZA, 22 SET 1997

VISTO el Expediente Nro. 311-000397/97-8, la Ley Nacional de Alcoholes Nro. 24.566 y las Resoluciones Nros. C-011/96 y C-003/97, y

CONSIDERANDO:

Que el Artículo 4° de la mencionada Ley establece que el Instituto Nacional de Vitivinicultura será la autoridad de aplicación y dictará las normas reglamentarias necesarias para la prosecución de los fines inherentes a la misma.

Que es necesario registrar en los libros oficiales de Destilerías, Fraccionadores y/o Comerciantes y Manipuladores de alcohol etílico, el volumen absoluto de alcohol etílico.

Que el personal de inspección al efectuar inventarios oficiales en los establecimientos citados, determinará el volumen absoluto, el que deberá ser coincidente con los registrados en los libros oficiales.

Que para poder determinar el volumen absoluto, la fuerza real y la transformación de peso en volumen, es necesario contar con tablas oficiales.

Que los alcoholómetros con que cuentan los industriales y el Organismo son densímetros calibrados a 15°C de temperatura.

Que cuando las temperaturas son diferentes a 15°C, se debe efectuar su corrección, utilizando para ello tablas.

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Por ello, y en uso de las facultades conferidas por las Leyes Nros. 14.878 y 24.566, el Decreto Ley Nro. 2.284/91 y el Decreto Nro 1.084/96,



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EL DIRECTOR NACIONAL DEL  
INSTITUTO NACIONAL DE VITIVINICULTURA

RESUELVE:

- 1°.- Oficializanse las tablas: Primera de Fuerza Real de Alcohol Etilico y Segunda de Pesos y Volúmenes de Alcohol Etilico que derivan de los trabajos de Gay-Lussac, las que como Anexo I y II forman parte integrante de la presente Resolución.
- 2°.- Las citadas tablas serán de uso para la determinación, en los alcoholes etílicos, de la fuerza real, volumen real, volumen absoluto y volúmenes por pesada.
- 3°.- Regístrese, comuníquese, publíquese, dése a la Dirección Nacional del Registro Oficial para su publicación, notifíquese y cumplido, archívese.

RESOLUCIÓN N° C- 37



Lic. FELIX ROBERTO AGUINAGA  
DIRECTOR NACIONAL - I.N.V.



TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO

| GRADOS DEL TERMOMETRO | GRADOS MARCADOS POR EL ALCOHOLIMETRO |              |              |              |              |              |              |              |              |               |
|-----------------------|--------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
|                       | 1                                    | 2            | 3            | 4            | 5            | 6            | 7            | 8            | 9            | 10            |
| 0 .....               | 1,3<br>1.000                         | 2,4<br>1.000 | 3,4<br>1.000 | 4,4<br>1.000 | 5,4<br>1.000 | 6,5<br>1.001 | 7,5<br>1.001 | 8,6<br>1.001 | 9,7<br>1.001 | 10,9<br>1.001 |
| 1 .....               | »                                    | »            | »            | »            | »            | »            | »            | »            | »            | »             |
| 2 .....               | »                                    | »            | »            | »            | »            | »            | »            | »            | »            | »             |
| 3 .....               | »                                    | »            | »            | »            | »            | »            | »            | »            | »            | »             |
| 4 .....               | »                                    | »            | »            | »            | »            | »            | »            | »            | »            | »             |
| 5 .....               | 1,4<br>1.001                         | 2,5<br>1.001 | 3,5<br>1.001 | 4,5<br>1.001 | 5,5<br>1.001 | 6,6<br>1.001 | 7,7<br>1.001 | 8,7<br>1.001 | 9,8<br>1.001 | 10,9<br>1.001 |
| 6 .....               | »                                    | »            | »            | »            | »            | »            | »            | »            | »            | »             |
| 7 .....               | »                                    | »            | »            | »            | »            | »            | »            | »            | »            | »             |
| 8 .....               | »                                    | »            | »            | »            | »            | »            | »            | »            | »            | »             |
| 9 .....               | »                                    | »            | »            | »            | »            | »            | »            | »            | »            | »             |
| 10 .....              | 1,4<br>1.000                         | 2,4<br>1.000 | 3,4<br>1.001 | 4,5<br>1.001 | 5,5<br>1.001 | 6,5<br>1.001 | 7,5<br>1.001 | 8,5<br>1.001 | 9,5<br>1.001 | 10,6<br>1.001 |
| 11 .....              | 1,3<br>1.000                         | 2,4<br>1.000 | 3,4<br>1.000 | 4,4<br>1.001 | 5,4<br>1.001 | 6,4<br>1.001 | 7,4<br>1.001 | 8,4<br>1.001 | 9,4<br>1.001 | 10,5<br>1.001 |
| 12 .....              | 1,2<br>1.000                         | 2,3<br>1.000 | 3,3<br>1.000 | 4,3<br>1.000 | 5,3<br>1.000 | 6,3<br>1.000 | 7,3<br>1.000 | 8,3<br>1.000 | 9,3<br>1.000 | 10,4<br>1.000 |
| 13 .....              | 1,2<br>1.000                         | 2,2<br>1.000 | 3,2<br>1.000 | 4,2<br>1.000 | 5,2<br>1.000 | 6,2<br>1.000 | 7,2<br>1.000 | 8,2<br>1.000 | 9,2<br>1.000 | 10,3<br>1.000 |
| 14 .....              | 1,1<br>1.000                         | 2,1<br>1.000 | 3,1<br>1.000 | 4,1<br>1.000 | 5,1<br>1.000 | 6,1<br>1.000 | 7,1<br>1.000 | 8,1<br>1.000 | 9,1<br>1.000 | 10,2<br>1.000 |



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**TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO**

| GRADOS DEL TERMOMETRO | GRADOS MARCADOS POR EL ALCOHOLIMETRO |              |              |              |              |              |              |              |              |              |
|-----------------------|--------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                       | 1                                    | 2            | 3            | 4            | 5            | 6            | 7            | 8            | 9            | 10           |
| 15 .....              | 1<br>1.000                           | 2<br>1.000   | 3<br>1.000   | 4<br>1.000   | 5<br>1.000   | 6<br>1.000   | 7<br>1.000   | 8<br>1.000   | 9<br>1.000   | 10<br>1.000  |
| 16 .....              | 0,9<br>1.000                         | 1,9<br>1.000 | 2,9<br>1.000 | 3,9<br>1.000 | 4,9<br>1.000 | 5,9<br>1.000 | 6,9<br>1.000 | 7,9<br>1.000 | 8,9<br>1.000 | 9,9<br>1.000 |
| 17 .....              | 0,8<br>1.000                         | 1,8<br>1.000 | 2,8<br>1.000 | 3,8<br>1.000 | 4,8<br>1.000 | 5,8<br>1.000 | 6,8<br>1.000 | 7,8<br>1.000 | 8,8<br>1.000 | 9,8<br>1.000 |
| 18 .....              | 0,7<br>1.000                         | 1,7<br>1.000 | 2,7<br>1.000 | 3,7<br>1.000 | 4,7<br>1.000 | 5,7<br>1.000 | 6,7<br>1.000 | 7,7<br>1.000 | 8,7<br>1.000 | 9,7<br>1.000 |
| 19 .....              | 0,6<br>999                           | 1,6<br>999   | 2,6<br>999   | 3,6<br>999   | 4,5<br>999   | 5,5<br>999   | 6,5<br>999   | 7,5<br>999   | 8,5<br>999   | 9,5<br>999   |
| 20 .....              | 0,5<br>999                           | 1,5<br>999   | 2,4<br>999   | 3,4<br>999   | 4,4<br>999   | 5,4<br>999   | 6,4<br>999   | 7,3<br>999   | 8,3<br>999   | 9,3<br>999   |
| 21 .....              | 0,4<br>999                           | 1,4<br>999   | 2,3<br>999   | 3,3<br>999   | 4,3<br>999   | 5,2<br>999   | 6,2<br>999   | 7,1<br>999   | 8,1<br>999   | 9,1<br>999   |
| 22 .....              | 0,3<br>999                           | 1,3<br>999   | 2,2<br>999   | 3,2<br>999   | 4,1<br>999   | 5,1<br>999   | 6,1<br>999   | 7<br>999     | 7,9<br>999   | 8,9<br>999   |
| 23 .....              | 0,1<br>999                           | 1,1<br>999   | 2,1<br>999   | 3,1<br>999   | 4<br>999     | 4,9<br>999   | 5,9<br>999   | 6,8<br>998   | 7,8<br>998   | 8,7<br>998   |
| 24 .....              | »                                    | 1<br>998     | 1,9<br>998   | 2,9<br>998   | 3,8<br>998   | 4,8<br>998   | 5,8<br>998   | 6,7<br>998   | 7,6<br>998   | 8,5<br>998   |
| 25 .....              | »                                    | 0,8<br>998   | 1,7<br>998   | 2,7<br>998   | 3,6<br>998   | 4,6<br>998   | 5,5<br>998   | 6,5<br>998   | 7,4<br>998   | 8,3<br>998   |
| 26 .....              | »                                    | 0,7<br>998   | 1,6<br>998   | 2,6<br>998   | 3,5<br>998   | 4,4<br>998   | 5,4<br>998   | 6,3<br>998   | 7,2<br>998   | 8,1<br>998   |
| 27 .....              | »                                    | 0,5<br>998   | 1,5<br>998   | 2,4<br>998   | 3,3<br>998   | 4,3<br>998   | 5,2<br>998   | 6,1<br>998   | 7<br>998     | 7,9<br>998   |
| 28 .....              | »                                    | 0,3<br>997   | 1,3<br>997   | 2,2<br>997   | 3,1<br>997   | 4,1<br>997   | 5<br>997     | 5,9<br>997   | 6,8<br>997   | 7,7<br>997   |
| 29 .....              | »                                    | 0,1<br>997   | 1,1<br>997   | 2<br>997     | 2,9<br>997   | 3,9<br>997   | 4,8<br>997   | 5,7<br>997   | 6,6<br>997   | 7,5<br>997   |
| 30 .....              | »                                    | 0,0<br>997   | 0,9<br>997   | 1,9<br>997   | 2,8<br>997   | 3,7<br>997   | 4,6<br>997   | 5,5<br>997   | 6,4<br>997   | 7,3<br>997   |



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| GRADOS DEL TERMOMETRO | GRADO MARCADOS POR EL ALCOHOLIMETRO |               |               |               |               |               |               |               |               |               |
|-----------------------|-------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                       | 11                                  | 12            | 13            | 14            | 15            | 16            | 17            | 18            | 19            | 20            |
| 0 .....               | 12,2<br>1.001                       | 13,4<br>1.002 | 14,7<br>1.002 | 16,1<br>1.002 | 17,5<br>1.002 | 18,9<br>1.003 | 20,3<br>1.003 | 21,6<br>1.004 | 22,9<br>1.004 | 24,2<br>1.004 |
| 1 .....               | »                                   | 13,4<br>1.002 | 14,7<br>1.002 | 16<br>1.002   | 17,3<br>1.002 | 18,7<br>1.003 | 20<br>1.003   | 21,3<br>1.003 | 22,6<br>1.004 | 23,9<br>1.004 |
| 2 .....               | »                                   | 13,4<br>1.002 | 14,7<br>1.002 | 16<br>1.002   | 17,2<br>1.002 | 18,5<br>1.003 | 19,8<br>1.003 | 21,1<br>1.003 | 22,3<br>1.004 | 23,6<br>1.004 |
| 3 .....               | »                                   | 13,3<br>1.001 | 14,6<br>1.002 | 15,9<br>1.002 | 17,1<br>1.002 | 18,3<br>1.002 | 19,6<br>1.003 | 20,8<br>1.003 | 22<br>1.003   | 23,3<br>1.004 |
| 4 .....               | »                                   | 13,3<br>1.001 | 14,5<br>1.002 | 15,8<br>1.002 | 16,9<br>1.002 | 18,1<br>1.002 | 19,4<br>1.002 | 20,6<br>1.003 | 21,8<br>1.003 | 23<br>1.003   |
| 5 .....               | 12,1<br>1.001                       | 13,2<br>1.001 | 14,4<br>1.001 | 15,7<br>1.002 | 16,8<br>1.002 | 18<br>1.002   | 19,2<br>1.002 | 20,4<br>1.003 | 21,5<br>1.003 | 22,7<br>1.003 |
| 6 .....               | »                                   | 13,1<br>1.001 | 14,3<br>1.001 | 15,6<br>1.002 | 16,7<br>1.002 | 17,8<br>1.002 | 19<br>1.002   | 20,2<br>1.003 | 21,3<br>1.003 | 22,4<br>1.003 |
| 7 .....               | »                                   | 13<br>1.001   | 14,2<br>1.001 | 15,4<br>1.001 | 16,6<br>1.002 | 17,7<br>1.002 | 18,8<br>1.002 | 20<br>1.002   | 21<br>1.002   | 22,1<br>1.002 |
| 8 .....               | »                                   | 13<br>1.001   | 14,1<br>1.001 | 15,3<br>1.001 | 16,4<br>1.001 | 17,5<br>1.001 | 18,6<br>1.002 | 19,7<br>1.002 | 20,7<br>1.002 | 21,8<br>1.002 |
| 9 .....               | »                                   | 12,9<br>1.001 | 14<br>1.001   | 15,1<br>1.001 | 16,2<br>1.001 | 17,3<br>1.001 | 18,4<br>1.001 | 19,5<br>1.001 | 20,5<br>1.002 | 21,6<br>1.002 |
| 10 .....              | 11,7<br>1.001                       | 12,7<br>1.001 | 13,8<br>1.001 | 14,9<br>1.001 | 16<br>1.001   | 17<br>1.001   | 18,1<br>1.001 | 19,2<br>1.001 | 20,2<br>1.001 | 21,3<br>1.001 |
| 11 .....              | 11,6<br>1.001                       | 12,6<br>1.001 | 13,6<br>1.001 | 14,7<br>1.001 | 15,8<br>1.001 | 16,8<br>1.001 | 17,9<br>1.001 | 19<br>1.001   | 20<br>1.001   | 21<br>1.001   |
| 12 .....              | 11,5<br>1.000                       | 12,5<br>1.001 | 13,5<br>1.001 | 14,6<br>1.001 | 15,6<br>1.001 | 16,6<br>1.001 | 17,6<br>1.001 | 18,7<br>1.001 | 19,7<br>1.001 | 20,7<br>1.001 |
| 13 .....              | 11,4<br>1.000                       | 12,4<br>1.000 | 13,4<br>1.000 | 14,4<br>1.000 | 15,4<br>1.000 | 16,4<br>1.000 | 17,4<br>1.000 | 18,5<br>1.000 | 19,5<br>1.000 | 20,5<br>1.000 |
| 14 .....              | 11,2<br>1.000                       | 12,2<br>1.000 | 13,2<br>1.000 | 14,2<br>1.000 | 15,2<br>1.000 | 16,2<br>1.000 | 17,2<br>1.000 | 18,2<br>1.000 | 19,2<br>1.000 | 20,2<br>1.000 |



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TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO

| GRADOS DEL TERMOMETRO | GRADO MARCADOS POR EL ALCOHOLIMETRO |               |               |               |               |               |               |               |               |               |
|-----------------------|-------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                       | 11                                  | 12            | 13            | 14            | 15            | 16            | 17            | 18            | 19            | 20            |
| 15 .....              | 11<br>1.000                         | 12<br>1.000   | 13<br>1.000   | 14<br>1.000   | 15<br>1.000   | 16<br>1.000   | 17<br>1.000   | 18<br>1.000   | 19<br>1.000   | 20<br>1.000   |
| 16 .....              | 10,9<br>1.000                       | 11,9<br>1.000 | 12,9<br>1.000 | 13,9<br>1.000 | 14,9<br>1.000 | 15,9<br>1.000 | 16,9<br>1.000 | 17,8<br>1.000 | 18,7<br>1.000 | 19,7<br>1.000 |
| 17 .....              | 10,8<br>1.000                       | 11,7<br>1.000 | 12,7<br>1.000 | 13,7<br>1.000 | 14,7<br>1.000 | 15,6<br>1.000 | 16,6<br>1.000 | 17,5<br>1.000 | 18,4<br>999   | 19,4<br>999   |
| 18 .....              | 10,7<br>1.000                       | 11,6<br>1.000 | 12,5<br>999   | 13,5<br>999   | 14,5<br>999   | 15,4<br>999   | 16,3<br>999   | 17,3<br>999   | 18,2<br>999   | 19,1<br>999   |
| 19 .....              | 10,5<br>999                         | 11,4<br>999   | 12,4<br>999   | 13,3<br>999   | 14,3<br>999   | 15,2<br>999   | 16,1<br>999   | 17<br>999     | 17,9<br>999   | 18,8<br>999   |
| 20 .....              | 10,3<br>999                         | 11,2<br>999   | 12,2<br>999   | 13,1<br>999   | 14<br>999     | 14,9<br>999   | 15,8<br>999   | 16,7<br>999   | 17,6<br>999   | 18,5<br>999   |
| 21 .....              | 10,1<br>999                         | 11<br>999     | 11,9<br>999   | 12,8<br>999   | 13,7<br>999   | 14,6<br>999   | 15,5<br>998   | 16,4<br>998   | 17,3<br>998   | 18,2<br>998   |
| 22 .....              | 9,9<br>999                          | 10,8<br>999   | 11,7<br>999   | 12,6<br>998   | 13,5<br>998   | 14,4<br>998   | 15,3<br>998   | 16,2<br>998   | 17<br>998     | 17,9<br>998   |
| 23 .....              | 9,7<br>998                          | 10,6<br>998   | 11,5<br>998   | 12,4<br>998   | 13,3<br>998   | 14,1<br>998   | 15<br>998     | 15,9<br>998   | 16,7<br>998   | 17,6<br>998   |
| 24 .....              | 9,5<br>998                          | 10,4<br>998   | 11,3<br>998   | 12,2<br>998   | 13,1<br>998   | 13,9<br>998   | 14,8<br>998   | 15,7<br>998   | 16,5<br>997   | 17,4<br>997   |
| 25 .....              | 9,3<br>998                          | 10,2<br>998   | 11,1<br>998   | 12<br>998     | 12,8<br>998   | 13,6<br>998   | 14,5<br>997   | 15,4<br>997   | 16,2<br>997   | 17,1<br>997   |
| 26 .....              | 9<br>998                            | 9,9<br>997    | 10,8<br>997   | 11,7<br>997   | 12,6<br>997   | 13,4<br>997   | 14,2<br>997   | 15,1<br>997   | 15,9<br>997   | 16,8<br>997   |
| 27 .....              | 8,8<br>997                          | 9,7<br>997    | 10,6<br>997   | 11,5<br>997   | 12,3<br>997   | 13,1<br>997   | 14<br>997     | 14,8<br>997   | 15,6<br>997   | 16,5<br>997   |
| 28 .....              | 8,6<br>997                          | 9,5<br>997    | 10,3<br>997   | 11,2<br>997   | 12<br>997     | 12,8<br>996   | 13,7<br>996   | 14,5<br>996   | 15,3<br>996   | 16,1<br>996   |
| 29 .....              | 8,4<br>997                          | 9,2<br>997    | 10,1<br>997   | 11<br>997     | 11,8<br>996   | 12,6<br>996   | 13,4<br>996   | 14,2<br>996   | 15<br>996     | 15,8<br>996   |
| 30 .....              | 8,1<br>997                          | 9<br>996      | 9,8<br>996    | 10,7<br>996   | 11,5<br>996   | 12,3<br>996   | 13,1<br>996   | 13,9<br>996   | 14,7<br>996   | 15,5<br>996   |



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TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO

| GRADOS DEL TERMOMETRO | GRADO MARCADOS POR EL ALCOHOLIMETRO |               |               |               |               |               |               |               |               |               |
|-----------------------|-------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                       | 21                                  | 22            | 23            | 24            | 25            | 26            | 27            | 28            | 29            | 30            |
| 0 .....               | 25,6<br>1.005                       | 27<br>1.005   | 28,4<br>1.006 | 29,7<br>1.006 | 30,9<br>1.007 | 32,1<br>1.007 | 33,2<br>1.007 | 34,3<br>1.008 | 35,3<br>1.008 | 36,3<br>1.008 |
| 1 .....               | 25,3<br>1.005                       | 26,7<br>1.005 | 28<br>1.005   | 29,2<br>1.006 | 30,4<br>1.006 | 31,6<br>1.006 | 32,7<br>1.007 | 33,8<br>1.007 | 34,8<br>1.007 | 35,8<br>1.008 |
| 2 .....               | 24,9<br>1.004                       | 26,3<br>1.005 | 27,5<br>1.005 | 28,8<br>1.005 | 30<br>1.006   | 31,2<br>1.006 | 32,3<br>1.006 | 33,3<br>1.006 | 34,4<br>1.007 | 35,4<br>1.007 |
| 3 .....               | 24,6<br>1.004                       | 25,9<br>1.005 | 27,1<br>1.005 | 28,4<br>1.005 | 29,6<br>1.005 | 30,8<br>1.006 | 31,9<br>1.006 | 32,9<br>1.006 | 33,9<br>1.007 | 34,9<br>1.007 |
| 4 .....               | 24,3<br>1.004                       | 25,6<br>1.004 | 26,8<br>1.005 | 28<br>1.005   | 29,2<br>1.005 | 30,4<br>1.005 | 31,4<br>1.005 | 32,5<br>1.005 | 33,5<br>1.006 | 34,5<br>1.006 |
| 5 .....               | 24<br>1.003                         | 25,2<br>1.003 | 26,4<br>1.004 | 27,6<br>1.004 | 28,8<br>1.004 | 30<br>1.004   | 31<br>1.005   | 32,1<br>1.005 | 33,1<br>1.005 | 34,1<br>1.005 |
| 6 .....               | 23,6<br>1.003                       | 24,9<br>1.003 | 26<br>1.004   | 27,2<br>1.004 | 28,4<br>1.004 | 29,6<br>1.004 | 30,6<br>1.005 | 31,6<br>1.005 | 32,6<br>1.005 | 33,6<br>1.005 |
| 7 .....               | 23,3<br>1.002                       | 24,6<br>1.003 | 25,7<br>1.003 | 26,9<br>1.003 | 28<br>1.003   | 29,2<br>1.003 | 30,2<br>1.004 | 31,2<br>1.004 | 32,3<br>1.004 | 33,2<br>1.004 |
| 8 .....               | 23<br>1.002                         | 24,2<br>1.002 | 25,3<br>1.003 | 26,5<br>1.003 | 27,6<br>1.003 | 28,8<br>1.003 | 29,8<br>1.003 | 30,8<br>1.003 | 31,8<br>1.003 | 32,8<br>1.003 |
| 9 .....               | 22,7<br>1.002                       | 23,9<br>1.002 | 25<br>1.002   | 26,1<br>1.002 | 27,2<br>1.002 | 28,4<br>1.003 | 29,4<br>1.003 | 30,4<br>1.003 | 31,4<br>1.003 | 32,4<br>1.003 |
| 10 .....              | 22,4<br>1.001                       | 23,5<br>1.002 | 24,6<br>1.002 | 25,7<br>1.002 | 26,8<br>1.002 | 27,9<br>1.002 | 29<br>1.002   | 30<br>1.002   | 31<br>1.002   | 32<br>1.002   |
| 11 .....              | 22,1<br>1.001                       | 23,2<br>1.001 | 24,3<br>1.001 | 25,4<br>1.001 | 26,5<br>1.002 | 27,6<br>1.002 | 28,6<br>1.002 | 29,6<br>1.002 | 30,6<br>1.002 | 31,6<br>1.002 |
| 12 .....              | 21,8<br>1.001                       | 22,9<br>1.001 | 24<br>1.001   | 25,1<br>1.001 | 26,1<br>1.001 | 27,2<br>1.001 | 28,2<br>1.001 | 29,2<br>1.001 | 30,2<br>1.001 | 31,2<br>1.001 |
| 13 .....              | 21,5<br>1.001                       | 22,6<br>1.001 | 23,6<br>1.001 | 24,7<br>1.001 | 25,7<br>1.001 | 26,8<br>1.001 | 27,8<br>1.001 | 28,8<br>1.001 | 29,8<br>1.001 | 30,8<br>1.001 |
| 14 .....              | 21,2<br>1.000                       | 22,3<br>1.000 | 23,3<br>1.000 | 24,3<br>1.000 | 25,3<br>1.000 | 26,4<br>1.000 | 27,4<br>1.000 | 28,4<br>1.000 | 29,4<br>1.000 | 30,4<br>1.000 |



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TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO

| GRADOS DEL TERMOMETRO | GRADO MARCADOS POR EL ALCOHOLIMETRO |               |               |               |               |               |               |               |               |               |
|-----------------------|-------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                       | 21                                  | 22            | 23            | 24            | 25            | 26            | 27            | 28            | 29            | 30            |
| 15 .....              | 21<br>1.000                         | 22<br>1.000   | 23<br>1.000   | 24<br>1.000   | 25<br>1.000   | 26<br>1.000   | 27<br>1.000   | 28<br>1.000   | 29<br>1.000   | 30<br>1.000   |
| 16 .....              | 20,7<br>1.000                       | 21,7<br>1.000 | 22,7<br>1.000 | 23,7<br>1.000 | 24,7<br>1.000 | 25,7<br>1.000 | 26,6<br>1.000 | 27,6<br>1.000 | 28,6<br>1.000 | 29,6<br>1.000 |
| 17 .....              | 20,4<br>999                         | 21,4<br>999   | 22,4<br>999   | 23,4<br>999   | 24,4<br>999   | 25,4<br>999   | 26,3<br>999   | 27,3<br>999   | 28,2<br>999   | 29,2<br>999   |
| 18 .....              | 20,1<br>999                         | 21,1<br>999   | 22<br>999     | 23<br>999     | 24<br>999     | 25<br>999     | 25,9<br>999   | 26,9<br>999   | 27,8<br>999   | 28,8<br>999   |
| 19 .....              | 19,8<br>999                         | 20,8<br>999   | 21,7<br>999   | 22,7<br>999   | 23,6<br>998   | 24,6<br>998   | 25,5<br>998   | 26,5<br>998   | 27,4<br>998   | 28,4<br>998   |
| 20 .....              | 19,5<br>999                         | 20,5<br>998   | 21,4<br>998   | 22,4<br>998   | 23,3<br>998   | 24,3<br>998   | 25,2<br>998   | 26,1<br>998   | 27,1<br>998   | 28<br>998     |
| 21 .....              | 19,1<br>998                         | 20,1<br>998   | 21,1<br>998   | 22,1<br>998   | 23<br>998     | 23,9<br>998   | 24,8<br>998   | 25,7<br>998   | 26,7<br>997   | 27,6<br>997   |
| 22 .....              | 18,8<br>998                         | 19,8<br>998   | 20,7<br>998   | 21,7<br>997   | 22,6<br>997   | 23,6<br>997   | 24,4<br>997   | 25,3<br>997   | 26,3<br>997   | 27,2<br>997   |
| 23 .....              | 18,5<br>998                         | 19,5<br>997   | 20,4<br>997   | 21,4<br>997   | 22,3<br>997   | 23,2<br>997   | 24,1<br>997   | 25<br>997     | 25,9<br>997   | 26,8<br>997   |
| 24 .....              | 18,3<br>997                         | 19,2<br>997   | 20,1<br>997   | 21,1<br>997   | 21,9<br>997   | 22,8<br>997   | 23,7<br>997   | 24,6<br>996   | 25,5<br>996   | 26,4<br>996   |
| 25 .....              | 18<br>997                           | 18,9<br>997   | 19,8<br>997   | 20,7<br>997   | 21,6<br>996   | 22,5<br>996   | 23,3<br>996   | 24,3<br>996   | 25,2<br>996   | 26,1<br>996   |
| 26 .....              | 17,7<br>997                         | 18,6<br>996   | 19,5<br>996   | 20,4<br>996   | 21,3<br>996   | 22,2<br>996   | 23<br>996     | 23,9<br>996   | 24,8<br>995   | 25,7<br>995   |
| 27 .....              | 17,4<br>996                         | 18,3<br>996   | 19,2<br>996   | 20,1<br>996   | 20,9<br>996   | 21,8<br>996   | 22,7<br>996   | 23,6<br>996   | 24,4<br>995   | 25,3<br>995   |
| 28 .....              | 17<br>996                           | 18<br>996     | 18,9<br>996   | 19,7<br>995   | 20,6<br>995   | 21,5<br>995   | 22,3<br>995   | 23,2<br>995   | 24<br>995     | 24,9<br>994   |
| 29 .....              | 16,7<br>996                         | 17,6<br>996   | 18,5<br>995   | 19,4<br>995   | 20,3<br>995   | 21,1<br>995   | 21,9<br>995   | 22,8<br>994   | 23,7<br>994   | 24,5<br>994   |
| 30 .....              | 16,4<br>995                         | 17,3<br>995   | 18,2<br>995   | 19,1<br>995   | 19,9<br>995   | 20,8<br>994   | 21,6<br>994   | 22,5<br>994   | 23,3<br>994   | 24,2<br>994   |

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TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO

| GRADOS DEL TERMOMETRO | GRADO MARCADOS POR EL ALCOHOLIMETRO |               |               |               |               |               |               |               |               |               |
|-----------------------|-------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                       | 31                                  | 32            | 33            | 34            | 35            | 36            | 37            | 38            | 39            | 40            |
| 0 .....               | 37,3<br>1.009                       | 38,3<br>1.009 | 39,2<br>1.009 | 40,2<br>1.009 | 41,1<br>1.009 | 42,1<br>1.010 | 43,1<br>1.010 | 44<br>1.010   | 45<br>1.010   | 45,9<br>1.011 |
| 1 .....               | 36,8<br>1.008                       | 37,8<br>1.008 | 38,8<br>1.008 | 39,8<br>1.008 | 40,8<br>1.009 | 41,8<br>1.009 | 42,7<br>1.009 | 43,7<br>1.009 | 44,6<br>1.010 | 45,5<br>1.010 |
| 2 .....               | 36,4<br>1.007                       | 37,4<br>1.007 | 38,4<br>1.008 | 39,4<br>1.008 | 40,4<br>1.008 | 41,4<br>1.008 | 42,3<br>1.008 | 43,3<br>1.009 | 44,2<br>1.009 | 45,1<br>1.009 |
| 3 .....               | 36<br>1.007                         | 37<br>1.007   | 38<br>1.007   | 39<br>1.007   | 40<br>1.007   | 41<br>1.008   | 42<br>1.008   | 42,9<br>1.008 | 43,9<br>1.008 | 44,8<br>1.008 |
| 4 .....               | 35,5<br>1.006                       | 36,5<br>1.006 | 37,5<br>1.006 | 38,5<br>1.007 | 39,5<br>1.007 | 40,5<br>1.007 | 41,5<br>1.007 | 42,5<br>1.007 | 43,5<br>1.007 | 44,4<br>1.008 |
| 5 .....               | 35,1<br>1.005                       | 36,1<br>1.006 | 37,1<br>1.006 | 38,1<br>1.006 | 39,1<br>1.006 | 40,1<br>1.006 | 41,1<br>1.007 | 42,1<br>1.007 | 43,1<br>1.007 | 44<br>1.007   |
| 6 .....               | 34,7<br>1.005                       | 35,7<br>1.005 | 36,7<br>1.005 | 37,7<br>1.005 | 38,7<br>1.005 | 39,7<br>1.006 | 40,7<br>1.006 | 41,6<br>1.006 | 42,6<br>1.006 | 43,6<br>1.006 |
| 7 .....               | 34,2<br>1.004                       | 35,2<br>1.004 | 36,2<br>1.004 | 37,2<br>1.005 | 38,2<br>1.005 | 39,2<br>1.005 | 40,2<br>1.005 | 41,2<br>1.005 | 42,2<br>1.005 | 43,2<br>1.005 |
| 8 .....               | 33,8<br>1.004                       | 34,8<br>1.004 | 35,8<br>1.004 | 36,8<br>1.004 | 37,8<br>1.004 | 38,8<br>1.004 | 39,8<br>1.004 | 40,8<br>1.004 | 41,8<br>1.004 | 42,8<br>1.005 |
| 9 .....               | 33,4<br>1.003                       | 34,4<br>1.003 | 35,4<br>1.003 | 36,4<br>1.003 | 37,4<br>1.004 | 38,4<br>1.004 | 39,4<br>1.004 | 40,4<br>1.004 | 41,4<br>1.004 | 42,4<br>1.004 |
| 10 .....              | 33<br>1.002                         | 34<br>1.002   | 35<br>1.003   | 36<br>1.003   | 37<br>1.003   | 38<br>1.003   | 39<br>1.003   | 40<br>1.003   | 41<br>1.003   | 42<br>1.003   |
| 11 .....              | 32,6<br>1.002                       | 33,6<br>1.002 | 34,6<br>1.002 | 35,6<br>1.002 | 36,6<br>1.002 | 37,6<br>1.002 | 38,6<br>1.002 | 39,6<br>1.002 | 40,6<br>1.003 | 41,6<br>1.003 |
| 12 .....              | 32,2<br>1.001                       | 33,2<br>1.001 | 34,2<br>1.002 | 35,2<br>1.002 | 36,2<br>1.002 | 37,2<br>1.002 | 38,2<br>1.002 | 39,2<br>1.002 | 40,2<br>1.002 | 41,2<br>1.002 |
| 13 .....              | 31,8<br>1.001                       | 32,8<br>1.001 | 33,8<br>1.001 | 34,8<br>1.001 | 35,8<br>1.001 | 36,8<br>1.001 | 37,8<br>1.001 | 38,8<br>1.001 | 39,8<br>1.001 | 40,8<br>1.001 |
| 14 .....              | 31,4<br>1.000                       | 32,4<br>1.000 | 33,4<br>1.001 | 34,4<br>1.001 | 35,4<br>1.001 | 36,4<br>1.001 | 37,4<br>1.001 | 38,4<br>1.001 | 39,4<br>1.001 | 40,4<br>1.001 |

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TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO

| GRADOS DEL TERMOMETRO | GRADO MARCADOS POR EL ALCOHOLIMETRO |               |             |             |             |             |             |             |             |             |
|-----------------------|-------------------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                       | 31                                  | 32            | 33          | 34          | 35          | 36          | 37          | 38          | 39          | 40          |
| 15 .....              | 31<br>1.000                         | 32<br>1.000   | 33<br>1.000 | 34<br>1.000 | 35<br>1.000 | 36<br>1.000 | 37<br>1.000 | 38<br>1.000 | 39<br>1.000 | 40<br>1.000 |
| 16 .....              | 30,6<br>1.000                       | 31,6<br>1.000 | 32,5<br>999 | 33,5<br>999 | 34,5<br>999 | 35,5<br>999 | 36,5<br>999 | 37,5<br>999 | 38,5<br>999 | 39,5<br>999 |
| 17 .....              | 30,2<br>999                         | 31,2<br>999   | 32,1<br>999 | 33,1<br>999 | 34,1<br>999 | 35,1<br>999 | 36,1<br>999 | 37,1<br>999 | 38,1<br>999 | 39,1<br>999 |
| 18 .....              | 29,8<br>999                         | 30,8<br>999   | 31,7<br>998 | 32,7<br>998 | 33,7<br>998 | 34,7<br>998 | 35,7<br>998 | 36,7<br>998 | 37,7<br>998 | 38,7<br>998 |
| 19 .....              | 29,4<br>998                         | 30,4<br>998   | 31,3<br>998 | 32,3<br>998 | 33,3<br>998 | 34,3<br>998 | 35,3<br>998 | 36,3<br>998 | 37,3<br>997 | 38,3<br>997 |
| 20 .....              | 29<br>998                           | 30<br>998     | 30,9<br>997 | 31,9<br>997 | 32,9<br>997 | 33,9<br>997 | 34,9<br>997 | 35,9<br>997 | 36,9<br>997 | 37,9<br>997 |
| 21 .....              | 28,6<br>997                         | 29,6<br>997   | 30,5<br>997 | 31,5<br>997 | 32,5<br>997 | 33,5<br>997 | 34,5<br>997 | 35,5<br>996 | 36,5<br>996 | 37,5<br>996 |
| 22 .....              | 28,2<br>997                         | 29,2<br>997   | 30,1<br>996 | 31,1<br>996 | 32,1<br>996 | 33,1<br>996 | 34,1<br>996 | 35,1<br>996 | 36,1<br>996 | 37,1<br>996 |
| 23 .....              | 27,8<br>996                         | 28,8<br>996   | 29,7<br>996 | 30,7<br>996 | 31,7<br>996 | 32,7<br>996 | 33,7<br>996 | 34,7<br>995 | 35,7<br>995 | 36,7<br>995 |
| 24 .....              | 27,4<br>996                         | 28,4<br>996   | 29,3<br>995 | 30,3<br>995 | 31,3<br>995 | 32,3<br>995 | 33,3<br>995 | 34,3<br>995 | 35,3<br>995 | 36,3<br>994 |
| 25 .....              | 27<br>995                           | 28<br>995     | 28,9<br>995 | 29,9<br>995 | 30,9<br>995 | 31,9<br>994 | 32,9<br>994 | 33,9<br>994 | 34,9<br>994 | 35,9<br>994 |
| 26 .....              | 26,6<br>995                         | 27,6<br>995   | 28,5<br>995 | 29,5<br>994 | 30,5<br>994 | 31,5<br>994 | 32,5<br>994 | 33,5<br>994 | 34,5<br>993 | 35,5<br>993 |
| 27 .....              | 26,2<br>995                         | 27,2<br>994   | 28,1<br>994 | 29,1<br>994 | 30,1<br>994 | 31,1<br>993 | 32,1<br>993 | 33,1<br>993 | 34,1<br>993 | 35,1<br>993 |
| 28 .....              | 25,8<br>994                         | 26,8<br>994   | 27,7<br>994 | 28,7<br>993 | 29,7<br>993 | 30,7<br>993 | 31,7<br>993 | 32,7<br>993 | 33,7<br>992 | 34,7<br>992 |
| 29 .....              | 25,4<br>994                         | 26,4<br>993   | 27,3<br>993 | 28,3<br>993 | 29,3<br>993 | 30,3<br>992 | 31,3<br>992 | 32,3<br>992 | 33,3<br>992 | 34,3<br>992 |
| 30 .....              | 25,1<br>993                         | 26<br>993     | 26,9<br>993 | 27,9<br>993 | 28,9<br>992 | 29,9<br>992 | 30,9<br>992 | 31,9<br>991 | 32,9<br>991 | 33,9<br>991 |



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TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO

| GRADOS DEL TERMOMETRO | GRADOS MARCADOS POR EL ALCOHOLIMETRO |               |               |               |               |               |               |               |               |               |
|-----------------------|--------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                       | 41                                   | 42            | 43            | 44            | 45            | 46            | 47            | 48            | 49            | 50            |
| 0 .....               | 46,9<br>1.011                        | 47,9<br>1.011 | 48,8<br>1.011 | 49,8<br>1.011 | 50,7<br>1.011 | 51,7<br>1.011 | 52,6<br>1.012 | 53,5<br>1.012 | 54,5<br>1.012 | 55,4<br>1.012 |
| 1 .....               | 46,5<br>1.010                        | 47,5<br>1.010 | 48,4<br>1.010 | 49,4<br>1.010 | 50,3<br>1.010 | 51,3<br>1.011 | 52,2<br>1.011 | 53,2<br>1.011 | 54,2<br>1.011 | 55,1<br>1.011 |
| 2 .....               | 46,1<br>1.009                        | 47,1<br>1.009 | 48,1<br>1.009 | 49<br>1.009   | 49,9<br>1.010 | 50,9<br>1.010 | 51,8<br>1.010 | 52,8<br>1.010 | 53,8<br>1.010 | 54,7<br>1.010 |
| 3 .....               | 45,8<br>1.008                        | 46,7<br>1.009 | 47,7<br>1.009 | 48,6<br>1.009 | 49,6<br>1.009 | 50,5<br>1.009 | 51,5<br>1.009 | 52,4<br>1.009 | 53,4<br>1.009 | 54,3<br>1.009 |
| 4 .....               | 45,4<br>1.008                        | 46,4<br>1.008 | 47,4<br>1.008 | 48,3<br>1.008 | 49,2<br>1.008 | 50,2<br>1.008 | 51,1<br>1.008 | 52,1<br>1.008 | 53<br>1.008   | 54<br>1.009   |
| 5 .....               | 45<br>1.007                          | 45,9<br>1.007 | 46,9<br>1.007 | 47,9<br>1.007 | 48,8<br>1.007 | 49,8<br>1.007 | 50,7<br>1.007 | 51,7<br>1.008 | 52,7<br>1.008 | 53,6<br>1.008 |
| 6 .....               | 44,6<br>1.006                        | 45,5<br>1.006 | 46,5<br>1.007 | 47,5<br>1.007 | 48,4<br>1.007 | 49,4<br>1.007 | 50,4<br>1.007 | 51,4<br>1.007 | 52,4<br>1.007 | 53,3<br>1.007 |
| 7 .....               | 44,2<br>1.005                        | 45,1<br>1.006 | 46,1<br>1.006 | 47,1<br>1.006 | 48,1<br>1.006 | 49,1<br>1.006 | 50,1<br>1.006 | 51<br>1.006   | 52<br>1.006   | 52,9<br>1.006 |
| 8 .....               | 43,8<br>1.005                        | 44,8<br>1.005 | 45,8<br>1.005 | 46,8<br>1.005 | 47,7<br>1.005 | 48,7<br>1.005 | 49,7<br>1.005 | 50,6<br>1.005 | 51,6<br>1.005 | 52,6<br>1.005 |
| 9 .....               | 43,4<br>1.004                        | 44,4<br>1.004 | 45,4<br>1.004 | 46,4<br>1.004 | 47,3<br>1.004 | 48,3<br>1.004 | 49,3<br>1.005 | 50,2<br>1.005 | 51,2<br>1.005 | 52,2<br>1.005 |
| 10 .....              | 43<br>1.003                          | 44<br>1.004   | 45<br>1.004   | 46<br>1.004   | 46,9<br>1.004 | 47,9<br>1.004 | 48,9<br>1.004 | 49,9<br>1.004 | 50,9<br>1.004 | 51,8<br>1.004 |
| 11 .....              | 42,6<br>1.003                        | 43,6<br>1.003 | 44,6<br>1.003 | 45,6<br>1.003 | 46,6<br>1.003 | 47,6<br>1.003 | 48,6<br>1.003 | 49,5<br>1.003 | 50,5<br>1.003 | 51,5<br>1.003 |
| 12 .....              | 42,2<br>1.002                        | 43,2<br>1.002 | 44,2<br>1.002 | 45,2<br>1.002 | 46,2<br>1.002 | 47,2<br>1.002 | 48,2<br>1.002 | 49,2<br>1.002 | 50,2<br>1.002 | 51,1<br>1.002 |
| 13 .....              | 41,8<br>1.001                        | 42,8<br>1.001 | 43,8<br>1.001 | 44,8<br>1.002 | 45,8<br>1.002 | 46,8<br>1.002 | 47,8<br>1.002 | 48,8<br>1.002 | 49,8<br>1.002 | 50,8<br>1.002 |
| 14 .....              | 41,4<br>1.001                        | 42,4<br>1.001 | 43,4<br>1.001 | 44,4<br>1.001 | 45,4<br>1.001 | 46,4<br>1.001 | 47,4<br>1.001 | 48,4<br>1.001 | 49,4<br>1.001 | 50,4<br>1.001 |



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**TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO**

| GRADOS DEL TERMOMETRO | GRADOS MARCADOS POR EL ALCOHOLIMETRO |             |             |             |             |             |             |             |             |             |
|-----------------------|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                       | 41                                   | 42          | 43          | 44          | 45          | 46          | 47          | 48          | 49          | 50          |
| 15 .....              | 41<br>1.000                          | 42<br>1.000 | 43<br>1.000 | 44<br>1.000 | 45<br>1.000 | 46<br>1.000 | 47<br>1.000 | 48<br>1.000 | 49<br>1.000 | 50<br>1.000 |
| 16 .....              | 40,6<br>999                          | 41,6<br>999 | 42,6<br>999 | 43,6<br>999 | 44,6<br>999 | 45,6<br>999 | 46,6<br>999 | 47,6<br>999 | 48,6<br>999 | 49,6<br>999 |
| 17 .....              | 40,2<br>999                          | 41,2<br>999 | 42,2<br>999 | 43,2<br>998 | 44,2<br>998 | 45,2<br>998 | 46,2<br>998 | 47,2<br>998 | 48,3<br>998 | 49,3<br>998 |
| 18 .....              | 39,8<br>998                          | 40,8<br>998 | 41,8<br>998 | 42,8<br>998 | 43,8<br>998 | 44,9<br>998 | 45,9<br>998 | 46,9<br>998 | 47,9<br>998 | 48,9<br>998 |
| 19 .....              | 39,4<br>997                          | 40,4<br>997 | 41,4<br>997 | 42,5<br>997 | 43,5<br>997 | 44,5<br>997 | 45,5<br>997 | 46,5<br>997 | 47,5<br>997 | 48,5<br>997 |
| 20 .....              | 39<br>997                            | 40<br>997   | 41<br>997   | 42,1<br>997 | 43,1<br>996 | 44,1<br>996 | 45,1<br>996 | 46,1<br>996 | 47,2<br>996 | 48,2<br>996 |
| 21 .....              | 38,6<br>996                          | 39,6<br>996 | 40,6<br>996 | 41,7<br>996 | 42,7<br>996 | 43,7<br>996 | 44,8<br>996 | 45,8<br>996 | 46,8<br>995 | 47,8<br>995 |
| 22 .....              | 38,2<br>996                          | 39,2<br>995 | 40,2<br>995 | 41,3<br>995 | 42,3<br>995 | 43,3<br>995 | 44,3<br>995 | 45,3<br>995 | 46,4<br>995 | 47,4<br>995 |
| 23 .....              | 37,8<br>995                          | 38,8<br>995 | 39,8<br>995 | 40,9<br>994 | 41,9<br>994 | 42,9<br>994 | 43,9<br>994 | 44,9<br>994 | 46<br>994   | 47<br>994   |
| 24 .....              | 37,4<br>994                          | 38,4<br>994 | 39,4<br>994 | 40,5<br>994 | 41,5<br>994 | 42,5<br>994 | 43,6<br>994 | 44,6<br>994 | 45,6<br>993 | 46,6<br>993 |
| 25 .....              | 37<br>994                            | 38<br>994   | 39<br>993   | 40,1<br>993 | 41,1<br>993 | 42,2<br>993 | 43,2<br>993 | 44,2<br>993 | 45,2<br>993 | 46,3<br>993 |
| 26 .....              | 36,5<br>993                          | 37,6<br>993 | 38,6<br>993 | 39,7<br>993 | 40,7<br>992 | 41,8<br>992 | 42,8<br>992 | 43,8<br>992 | 44,9<br>992 | 45,9<br>992 |
| 27 .....              | 36,1<br>992                          | 37,2<br>992 | 38,2<br>992 | 39,3<br>992 | 40,3<br>992 | 41,4<br>992 | 42,4<br>992 | 43,4<br>991 | 44,5<br>991 | 45,5<br>991 |
| 28 .....              | 35,7<br>992                          | 36,8<br>992 | 37,8<br>992 | 38,9<br>991 | 39,9<br>991 | 41<br>991   | 42<br>991   | 43<br>991   | 44,1<br>991 | 45,1<br>990 |
| 29 .....              | 35,3<br>991                          | 36,3<br>991 | 37,4<br>991 | 38,5<br>991 | 39,5<br>991 | 40,6<br>990 | 41,6<br>990 | 42,6<br>990 | 43,7<br>990 | 44,7<br>990 |
| 30 .....              | 34,9<br>991                          | 35,9<br>991 | 37<br>990   | 38,1<br>990 | 39,1<br>990 | 40,2<br>990 | 41,2<br>990 | 42,3<br>989 | 43,3<br>989 | 44,3<br>989 |

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TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO

| GRADOS DEL TERMOMETRO | GRADOS MARCADOS POR EL ALCOHOLIMETRO |               |               |               |               |               |               |               |               |               |
|-----------------------|--------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                       | 51                                   | 52            | 53            | 54            | 55            | 56            | 57            | 58            | 59            | 60            |
| 0 .....               | 56,4<br>1.012                        | 57,3<br>1.012 | 58,3<br>1.012 | 59,2<br>1.012 | 60,2<br>1.012 | 61,2<br>1.012 | 62,1<br>1.012 | 63,1<br>1.013 | 64,1<br>1.013 | 65<br>1.013   |
| 1 .....               | 56<br>1.011                          | 57<br>1.011   | 57,9<br>1.011 | 58,9<br>1.011 | 59,9<br>1.011 | 60,9<br>1.011 | 61,8<br>1.011 | 62,8<br>1.012 | 63,8<br>1.012 | 64,7<br>1.012 |
| 2 .....               | 55,7<br>1.010                        | 56,6<br>1.010 | 57,6<br>1.010 | 58,5<br>1.010 | 59,5<br>1.010 | 60,5<br>1.011 | 61,5<br>1.011 | 62,4<br>1.011 | 63,4<br>1.011 | 64,4<br>1.011 |
| 3 .....               | 55,3<br>1.009                        | 56,3<br>1.009 | 57,2<br>1.009 | 58,2<br>1.010 | 59,2<br>1.010 | 60,2<br>1.010 | 61,1<br>1.010 | 62,1<br>1.010 | 63,1<br>1.010 | 64,1<br>1.010 |
| 4 .....               | 55<br>1.009                          | 56<br>1.009   | 56,9<br>1.009 | 57,9<br>1.009 | 58,9<br>1.009 | 59,8<br>1.009 | 60,8<br>1.009 | 61,7<br>1.009 | 62,7<br>1.009 | 63,7<br>1.009 |
| 5 .....               | 54,6<br>1.008                        | 55,6<br>1.008 | 56,6<br>1.008 | 57,5<br>1.008 | 58,5<br>1.008 | 59,5<br>1.008 | 60,4<br>1.008 | 61,4<br>1.008 | 62,4<br>1.008 | 63,4<br>1.008 |
| 6 .....               | 54,3<br>1.007                        | 55,2<br>1.007 | 56,2<br>1.007 | 57,1<br>1.007 | 58,1<br>1.007 | 59,1<br>1.007 | 60,1<br>1.007 | 61<br>1.008   | 62<br>1.008   | 63<br>1.008   |
| 7 .....               | 53,9<br>1.006                        | 54,9<br>1.006 | 55,9<br>1.006 | 56,8<br>1.006 | 57,8<br>1.006 | 58,8<br>1.006 | 59,8<br>1.007 | 60,7<br>1.007 | 61,7<br>1.007 | 62,7<br>1.007 |
| 8 .....               | 53,6<br>1.005                        | 54,6<br>1.005 | 55,5<br>1.006 | 56,5<br>1.006 | 57,5<br>1.006 | 58,5<br>1.006 | 59,5<br>1.006 | 60,4<br>1.006 | 61,4<br>1.006 | 62,4<br>1.006 |
| 9 .....               | 53,2<br>1.005                        | 54,2<br>1.005 | 55,1<br>1.005 | 56,1<br>1.005 | 57,1<br>1.005 | 58,1<br>1.005 | 59,1<br>1.005 | 60<br>1.005   | 61<br>1.005   | 62<br>1.005   |
| 10 .....              | 52,8<br>1.004                        | 53,8<br>1.004 | 54,8<br>1.004 | 55,8<br>1.004 | 56,8<br>1.004 | 57,8<br>1.004 | 58,8<br>1.004 | 59,7<br>1.004 | 60,7<br>1.004 | 61,7<br>1.004 |
| 11 .....              | 52,5<br>1.003                        | 53,5<br>1.003 | 54,4<br>1.003 | 55,4<br>1.003 | 56,4<br>1.003 | 57,4<br>1.003 | 58,4<br>1.003 | 59,4<br>1.003 | 60,4<br>1.003 | 61,4<br>1.003 |
| 12 .....              | 52,1<br>1.002                        | 53,1<br>1.002 | 54,1<br>1.002 | 55<br>1.002   | 56<br>1.002   | 57<br>1.002   | 58<br>1.002   | 59<br>1.002   | 60<br>1.002   | 61<br>1.002   |
| 13 .....              | 51,8<br>1.002                        | 52,7<br>1.002 | 53,7<br>1.002 | 54,7<br>1.002 | 55,7<br>1.002 | 56,7<br>1.002 | 57,7<br>1.002 | 58,7<br>1.002 | 59,7<br>1.002 | 60,7<br>1.002 |
| 14 .....              | 51,4<br>1.001                        | 52,3<br>1.001 | 53,3<br>1.001 | 54,3<br>1.001 | 55,3<br>1.001 | 56,3<br>1.001 | 57,3<br>1.001 | 58,3<br>1.001 | 59,3<br>1.001 | 60,3<br>1.001 |



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**TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO**

| GRADOS DEL TERMOMETRO | GRADOS MARCADOS POR EL ALCOHOLIMETRO |             |             |             |             |             |             |             |             |             |
|-----------------------|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                       | 51                                   | 52          | 53          | 54          | 55          | 56          | 57          | 58          | 59          | 60          |
| 15 .....              | 51<br>1.000                          | 52<br>1.000 | 53<br>1.000 | 54<br>1.000 | 55<br>1.000 | 56<br>1.000 | 57<br>1.000 | 58<br>1.000 | 59<br>1.000 | 60<br>1.000 |
| 16 .....              | 50,6<br>999                          | 51,6<br>999 | 52,6<br>999 | 53,6<br>999 | 54,6<br>999 | 55,6<br>999 | 56,6<br>999 | 57,6<br>999 | 58,6<br>999 | 59,6<br>999 |
| 17 .....              | 50,3<br>998                          | 51,3<br>998 | 52,3<br>998 | 53,3<br>998 | 54,3<br>998 | 55,3<br>998 | 56,3<br>998 | 57,3<br>998 | 58,3<br>998 | 59,3<br>998 |
| 18 .....              | 49,9<br>998                          | 50,9<br>998 | 51,9<br>998 | 52,9<br>998 | 53,9<br>998 | 54,9<br>998 | 55,9<br>998 | 56,9<br>997 | 57,9<br>997 | 58,9<br>997 |
| 19 .....              | 49,5<br>997                          | 50,6<br>997 | 51,6<br>997 | 52,6<br>997 | 53,6<br>997 | 54,6<br>997 | 55,6<br>997 | 56,6<br>997 | 57,6<br>997 | 58,6<br>997 |
| 20 .....              | 49,2<br>996                          | 50,2<br>996 | 51,2<br>996 | 52,2<br>996 | 53,2<br>996 | 54,2<br>996 | 55,2<br>996 | 56,2<br>996 | 57,2<br>996 | 58,2<br>996 |
| 21 .....              | 48,8<br>995                          | 49,8<br>995 | 50,8<br>995 | 51,8<br>995 | 52,9<br>995 | 53,9<br>995 | 54,9<br>995 | 55,9<br>995 | 56,9<br>995 | 57,9<br>995 |
| 22 .....              | 48,4<br>995                          | 49,4<br>995 | 50,4<br>995 | 51,4<br>994 | 52,5<br>994 | 53,5<br>994 | 54,5<br>994 | 55,5<br>994 | 56,5<br>994 | 57,5<br>994 |
| 23 .....              | 48<br>994                            | 49,1<br>994 | 50,1<br>994 | 51,1<br>994 | 52,1<br>994 | 53,1<br>994 | 54,1<br>993 | 55,1<br>993 | 56,1<br>993 | 57,1<br>993 |
| 24 .....              | 47,6<br>993                          | 48,7<br>993 | 49,7<br>993 | 50,7<br>993 | 51,8<br>993 | 52,8<br>993 | 53,8<br>993 | 54,8<br>993 | 55,8<br>993 | 56,8<br>992 |
| 25 .....              | 47,3<br>993                          | 48,3<br>993 | 49,3<br>993 | 50,3<br>992 | 51,4<br>992 | 52,4<br>992 | 53,4<br>992 | 54,4<br>992 | 55,5<br>992 | 56,5<br>992 |
| 26 .....              | 46,9<br>992                          | 47,9<br>992 | 49,1<br>992 | 50<br>991   | 51<br>991   | 52<br>991   | 53<br>991   | 54<br>991   | 55,1<br>991 | 56,1<br>991 |
| 27 .....              | 46,5<br>991                          | 47,6<br>991 | 48,6<br>991 | 49,6<br>991 | 50,7<br>990 | 51,7<br>990 | 52,7<br>990 | 53,7<br>990 | 54,8<br>990 | 55,8<br>990 |
| 28 .....              | 46,1<br>990                          | 47,2<br>990 | 48,2<br>990 | 49,2<br>990 | 50,3<br>990 | 51,3<br>990 | 52,3<br>990 | 53,3<br>989 | 54,4<br>989 | 55,4<br>989 |
| 29 .....              | 45,7<br>990                          | 46,8<br>989 | 47,8<br>989 | 48,9<br>989 | 49,9<br>989 | 51<br>989   | 52<br>989   | 53<br>989   | 54<br>989   | 55<br>988   |
| 30 .....              | 45,4<br>989                          | 46,4<br>989 | 47,5<br>989 | 48,5<br>988 | 49,6<br>988 | 50,6<br>988 | 51,6<br>988 | 52,6<br>988 | 53,6<br>988 | 54,7<br>988 |



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**TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO**

| GRADOS DEL TERMOMETRO | GRADOS MARCADOS POR EL ALCOHOLIMETRO |               |               |               |               |               |               |               |               |               |
|-----------------------|--------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                       | 61                                   | 62            | 63            | 64            | 65            | 66            | 67            | 68            | 69            | 70            |
| 0 .....               | 66<br>1.013                          | 67<br>1.013   | 68<br>1.013   | 68,9<br>1.013 | 69,9<br>1.013 | 70,8<br>1.013 | 71,8<br>1.013 | 72,7<br>1.013 | 73,7<br>1.014 | 74,7<br>1.014 |
| 1 .....               | 65,7<br>1.012                        | 66,7<br>1.012 | 67,7<br>1.012 | 68,6<br>1.012 | 69,6<br>1.012 | 70,5<br>1.012 | 71,5<br>1.012 | 72,4<br>1.012 | 73,4<br>1.013 | 74,3<br>1.013 |
| 2 .....               | 65,3<br>1.011                        | 66,3<br>1.011 | 67,3<br>1.011 | 68,3<br>1.011 | 69,3<br>1.011 | 70,2<br>1.011 | 71,2<br>1.011 | 72,1<br>1.012 | 73,1<br>1.012 | 74<br>1.012   |
| 3 .....               | 65<br>1.010                          | 66<br>1.010   | 67<br>1.010   | 68<br>1.010   | 68,9<br>1.010 | 69,9<br>1.011 | 70,8<br>1.011 | 71,8<br>1.011 | 72,8<br>1.011 | 73,7<br>1.011 |
| 4 .....               | 64,7<br>1.009                        | 65,7<br>1.009 | 66,6<br>1.009 | 67,6<br>1.010 | 68,6<br>1.010 | 69,5<br>1.010 | 70,5<br>1.010 | 71,5<br>1.010 | 72,5<br>1.010 | 73,4<br>1.010 |
| 5 .....               | 64,3<br>1.009                        | 65,3<br>1.009 | 66,3<br>1.009 | 67,3<br>1.009 | 68,3<br>1.009 | 69,2<br>1.009 | 70,2<br>1.009 | 71,2<br>1.009 | 72,2<br>1.009 | 73,1<br>1.009 |
| 6 .....               | 64<br>1.008                          | 65<br>1.008   | 66<br>1.008   | 67<br>1.008   | 68<br>1.008   | 68,9<br>1.008 | 69,9<br>1.008 | 70,9<br>1.008 | 71,9<br>1.008 | 72,8<br>1.008 |
| 7 .....               | 63,7<br>1.007                        | 64,7<br>1.007 | 65,7<br>1.007 | 66,7<br>1.007 | 67,6<br>1.007 | 68,6<br>1.007 | 69,6<br>1.007 | 70,6<br>1.007 | 71,5<br>1.007 | 72,5<br>1.007 |
| 8 .....               | 63,4<br>1.006                        | 64,4<br>1.006 | 65,4<br>1.006 | 66,4<br>1.006 | 67,3<br>1.006 | 68,3<br>1.006 | 69,3<br>1.006 | 70,2<br>1.006 | 71,2<br>1.006 | 72,2<br>1.006 |
| 9 .....               | 63<br>1.005                          | 64<br>1.005   | 65<br>1.005   | 66<br>1.005   | 67<br>1.005   | 67,9<br>1.005 | 68,9<br>1.005 | 69,9<br>1.005 | 70,9<br>1.005 | 71,9<br>1.005 |
| 10 .....              | 62,7<br>1.004                        | 63,7<br>1.004 | 64,7<br>1.004 | 65,7<br>1.004 | 66,7<br>1.004 | 67,6<br>1.004 | 68,6<br>1.004 | 69,6<br>1.004 | 70,6<br>1.004 | 71,6<br>1.004 |
| 11 .....              | 62,4<br>1.003                        | 63,4<br>1.003 | 64,4<br>1.003 | 65,4<br>1.003 | 66,4<br>1.003 | 67,3<br>1.003 | 68,3<br>1.003 | 69,3<br>1.004 | 70,3<br>1.004 | 71,3<br>1.004 |
| 12 .....              | 62<br>1.002                          | 63<br>1.002   | 64<br>1.002   | 65<br>1.002   | 66<br>1.002   | 67<br>1.002   | 68<br>1.003   | 69<br>1.003   | 70<br>1.003   | 71<br>1.003   |
| 13 .....              | 61,7<br>1.002                        | 62,7<br>1.002 | 63,7<br>1.002 | 64,7<br>1.002 | 65,7<br>1.002 | 66,7<br>1.002 | 67,7<br>1.002 | 68,7<br>1.002 | 69,6<br>1.002 | 70,6<br>1.002 |
| 14 .....              | 61,3<br>1.001                        | 62,3<br>1.001 | 63,3<br>1.001 | 64,3<br>1.001 | 65,3<br>1.001 | 66,3<br>1.001 | 67,3<br>1.001 | 68,3<br>1.001 | 69,3<br>1.001 | 70,3<br>1.001 |



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**TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO**

| GRADOS DEL TERMOMETRO | GRADOS MARCADOS POR EL ALCOHOLIMETRO |             |             |             |             |             |             |             |             |             |
|-----------------------|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                       | 61                                   | 62          | 63          | 64          | 65          | 66          | 67          | 68          | 69          | 70          |
| 15 .....              | 61<br>1.000                          | 62<br>1.000 | 63<br>1.000 | 64<br>1.000 | 65<br>1.000 | 66<br>1.000 | 67<br>1.000 | 68<br>1.000 | 69<br>1.000 | 70<br>1.000 |
| 16 .....              | 60,6<br>999                          | 61,7<br>999 | 62,7<br>999 | 63,7<br>999 | 64,7<br>999 | 65,7<br>999 | 66,7<br>999 | 67,7<br>999 | 68,7<br>999 | 69,7<br>999 |
| 17 .....              | 60,3<br>998                          | 61,3<br>998 | 62,3<br>998 | 63,3<br>998 | 64,3<br>998 | 65,3<br>998 | 66,3<br>998 | 67,3<br>998 | 68,3<br>998 | 69,3<br>998 |
| 18 .....              | 59,9<br>997                          | 61<br>997   | 62<br>997   | 63<br>997   | 64<br>997   | 65<br>997   | 66<br>997   | 67<br>997   | 68<br>997   | 69<br>997   |
| 19 .....              | 59,6<br>997                          | 60,6<br>997 | 61,6<br>997 | 62,7<br>997 | 63,7<br>997 | 64,7<br>997 | 65,7<br>997 | 66,7<br>997 | 67,7<br>996 | 68,7<br>996 |
| 20 .....              | 59,2<br>996                          | 60,3<br>996 | 61,3<br>996 | 62,3<br>996 | 63,3<br>996 | 64,3<br>996 | 65,4<br>996 | 66,4<br>996 | 67,4<br>996 | 68,4<br>996 |
| 21 .....              | 58,9<br>995                          | 59,9<br>995 | 61<br>995   | 62<br>995   | 63<br>995   | 64<br>995   | 65<br>995   | 66<br>995   | 67<br>995   | 68,1<br>995 |
| 22 .....              | 58,5<br>994                          | 59,5<br>994 | 60,6<br>994 | 61,6<br>994 | 62,7<br>994 | 63,7<br>994 | 64,7<br>994 | 65,7<br>994 | 66,7<br>994 | 67,8<br>994 |
| 23 .....              | 58,1<br>993                          | 59,2<br>993 | 60,2<br>993 | 61,3<br>993 | 62,3<br>993 | 63,3<br>993 | 64,3<br>993 | 65,4<br>993 | 66,4<br>993 | 67,4<br>992 |
| 24 .....              | 57,8<br>992                          | 58,9<br>992 | 59,9<br>992 | 61<br>992   | 62<br>992   | 63<br>992   | 64<br>992   | 65<br>992   | 66<br>992   | 67,1<br>992 |
| 25 .....              | 57,5<br>992                          | 58,5<br>992 | 59,5<br>992 | 60,6<br>991 | 61,6<br>991 | 62,6<br>991 | 63,7<br>991 | 64,7<br>991 | 65,7<br>991 | 66,7<br>991 |
| 26 .....              | 57,1<br>991                          | 58,1<br>991 | 59,2<br>991 | 60,2<br>991 | 61,3<br>990 | 62,3<br>990 | 63,3<br>990 | 64,3<br>990 | 65,3<br>990 | 66,4<br>990 |
| 27 .....              | 56,8<br>990                          | 57,8<br>990 | 58,9<br>990 | 59,9<br>990 | 60,9<br>990 | 61,9<br>990 | 63<br>989   | 64<br>989   | 65<br>989   | 66<br>989   |
| Ar 28 .....           | 56,4<br>989                          | 57,5<br>989 | 58,5<br>989 | 59,5<br>989 | 60,6<br>989 | 61,6<br>989 | 62,6<br>989 | 63,7<br>989 | 64,7<br>989 | 65,7<br>988 |
| 29 .....              | 56<br>988                            | 57,1<br>988 | 58,1<br>988 | 59,2<br>988 | 60,2<br>988 | 61,2<br>988 | 62,3<br>988 | 63,3<br>988 | 64,3<br>988 | 65,4<br>988 |
| 30 .....              | 55,7<br>988                          | 56,7<br>987 | 57,8<br>987 | 58,8<br>987 | 59,9<br>987 | 60,9<br>987 | 61,9<br>987 | 63<br>987   | 64<br>987   | 65<br>987   |





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TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO

| GRADOS DEL TERMOMETRO | GRADOS MARCADOS POR EL ALCOHOLIMETRO |               |               |               |               |               |               |               |               |               |
|-----------------------|--------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                       | 71                                   | 72            | 73            | 74            | 75            | 76            | 77            | 78            | 79            | 80            |
| 0 .....               | 75,6<br>1.014                        | 76,6<br>1.014 | 77,6<br>1.014 | 78,6<br>1.014 | 79,5<br>1.014 | 80,5<br>1.014 | 81,5<br>1.014 | 82,4<br>1.014 | 83,3<br>1.014 | 84,3<br>1.014 |
| 1 .....               | 75,3<br>1.013                        | 76,3<br>1.013 | 77,3<br>1.013 | 78,3<br>1.013 | 79,2<br>1.013 | 80,2<br>1.013 | 81,2<br>1.013 | 82,1<br>1.013 | 83,1<br>1.013 | 84<br>1.013   |
| 2 .....               | 75<br>1.012                          | 76<br>1.012   | 77<br>1.012   | 78<br>1.012   | 78,9<br>1.012 | 79,9<br>1.012 | 80,9<br>1.012 | 81,9<br>1.012 | 82,8<br>1.012 | 83,7<br>1.012 |
| 3 .....               | 74,7<br>1.011                        | 75,7<br>1.011 | 76,7<br>1.011 | 77,7<br>1.011 | 78,6<br>1.011 | 79,6<br>1.011 | 80,6<br>1.011 | 81,6<br>1.011 | 82,5<br>1.011 | 83,5<br>1.011 |
| 4 .....               | 74,4<br>1.010                        | 75,3<br>1.010 | 76,3<br>1.010 | 77,3<br>1.010 | 78,3<br>1.010 | 79,3<br>1.010 | 80,3<br>1.010 | 81,3<br>1.010 | 82,2<br>1.010 | 83,2<br>1.010 |
| 5 .....               | 74,1<br>1.009                        | 75<br>1.009   | 76<br>1.009   | 77<br>1.009   | 78<br>1.009   | 79<br>1.009   | 80<br>1.009   | 81<br>1.009   | 81,9<br>1.010 | 82,9<br>1.010 |
| 6 .....               | 73,8<br>1.008                        | 74,7<br>1.008 | 75,7<br>1.008 | 76,7<br>1.008 | 77,7<br>1.008 | 78,7<br>1.008 | 79,7<br>1.008 | 80,7<br>1.008 | 81,6<br>1.008 | 82,6<br>1.009 |
| 7 .....               | 73,5<br>1.007                        | 74,4<br>1.007 | 75,4<br>1.007 | 76,4<br>1.007 | 77,4<br>1.007 | 78,4<br>1.007 | 79,4<br>1.007 | 80,4<br>1.007 | 81,4<br>1.007 | 82,3<br>1.008 |
| 8 .....               | 73,2<br>1.006                        | 74,1<br>1.006 | 75,1<br>1.006 | 76,1<br>1.006 | 77,1<br>1.006 | 78,1<br>1.006 | 79,1<br>1.007 | 80,1<br>1.007 | 81,1<br>1.007 | 82<br>1.007   |
| 9 .....               | 72,9<br>1.005                        | 73,8<br>1.005 | 74,8<br>1.005 | 75,8<br>1.005 | 76,8<br>1.005 | 77,8<br>1.005 | 78,8<br>1.006 | 79,8<br>1.006 | 80,8<br>1.006 | 81,7<br>1.006 |
| 10 .....              | 72,6<br>1.004                        | 73,5<br>1.004 | 74,5<br>1.005 | 75,5<br>1.005 | 76,5<br>1.005 | 77,5<br>1.005 | 78,5<br>1.005 | 79,5<br>1.005 | 80,5<br>1.005 | 81,5<br>1.005 |
| 11 .....              | 72,3<br>1.004                        | 73,2<br>1.004 | 74,2<br>1.004 | 75,2<br>1.004 | 76,2<br>1.004 | 77,2<br>1.004 | 78,2<br>1.004 | 79,2<br>1.004 | 80,2<br>1.004 | 81,2<br>1.004 |
| Ar 12 .....           | 72<br>1.003                          | 72,9<br>1.003 | 73,9<br>1.003 | 74,9<br>1.003 | 75,9<br>1.003 | 76,9<br>1.003 | 77,9<br>1.003 | 78,9<br>1.003 | 79,9<br>1.003 | 80,9<br>1.003 |
| 13 .....              | 71,6<br>1.002                        | 72,6<br>1.002 | 73,6<br>1.002 | 74,6<br>1.002 | 75,6<br>1.002 | 76,6<br>1.002 | 77,6<br>1.002 | 78,6<br>1.002 | 79,6<br>1.002 | 80,6<br>1.002 |
| 14 .....              | 71,3<br>1.001                        | 72,3<br>1.001 | 73,3<br>1.001 | 74,3<br>1.001 | 75,3<br>1.001 | 76,3<br>1.001 | 77,3<br>1.001 | 78,3<br>1.001 | 79,3<br>1.001 | 80,3<br>1.001 |



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| GRADOS DEL TERMOMETRO | GRADOS MARCADOS POR EL ALCOHOLIMETRO |             |             |             |             |             |             |             |             |             |
|-----------------------|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                       | 71                                   | 72          | 73          | 74          | 75          | 76          | 77          | 78          | 79          | 80          |
| 15 .....              | 71<br>1.000                          | 72<br>1.000 | 73<br>1.000 | 74<br>1.000 | 75<br>1.000 | 76<br>1.000 | 77<br>1.000 | 78<br>1.000 | 79<br>1.000 | 80<br>1.000 |
| 16 .....              | 70,7<br>999                          | 71,7<br>999 | 72,7<br>999 | 73,7<br>999 | 74,7<br>999 | 75,7<br>999 | 76,7<br>999 | 77,7<br>999 | 78,7<br>999 | 79,7<br>999 |
| 17 .....              | 70,3<br>998                          | 71,3<br>998 | 72,3<br>998 | 73,3<br>998 | 74,3<br>998 | 75,4<br>998 | 76,4<br>998 | 77,4<br>998 | 78,4<br>998 | 79,4<br>998 |
| 18 .....              | 70<br>997                            | 71<br>997   | 72<br>997   | 73<br>997   | 74<br>997   | 75,1<br>997 | 76,1<br>997 | 77,1<br>997 | 78,1<br>997 | 79,1<br>997 |
| 19 .....              | 69,7<br>996                          | 70,7<br>996 | 71,7<br>996 | 72,7<br>996 | 73,7<br>996 | 74,7<br>996 | 75,8<br>996 | 76,8<br>996 | 77,8<br>996 | 78,8<br>996 |
| 20 .....              | 69,4<br>996                          | 70,4<br>996 | 71,4<br>995 | 72,4<br>995 | 73,4<br>995 | 74,4<br>995 | 75,5<br>995 | 76,5<br>995 | 77,5<br>995 | 78,5<br>995 |
| 21 .....              | 69,1<br>995                          | 70,1<br>995 | 71,1<br>995 | 72,1<br>994 | 73,1<br>994 | 74,1<br>994 | 75,2<br>994 | 76,2<br>994 | 77,2<br>994 | 78,2<br>994 |
| 22 .....              | 68,8<br>994                          | 69,8<br>994 | 70,8<br>994 | 71,8<br>994 | 72,8<br>993 | 73,8<br>993 | 74,8<br>993 | 75,9<br>993 | 76,9<br>993 | 77,9<br>993 |
| 23 .....              | 68,4<br>993                          | 69,4<br>993 | 70,5<br>993 | 71,5<br>993 | 72,5<br>992 | 73,5<br>992 | 74,5<br>992 | 75,5<br>992 | 76,6<br>992 | 77,6<br>992 |
| 24 .....              | 68,1<br>992                          | 69,1<br>992 | 70,1<br>992 | 71,2<br>992 | 72,2<br>992 | 73,2<br>992 | 74,2<br>992 | 75,2<br>991 | 76,3<br>991 | 77,3<br>991 |
| 25 .....              | 67,8<br>991                          | 68,8<br>991 | 69,8<br>991 | 70,8<br>991 | 71,8<br>991 | 72,8<br>991 | 73,9<br>991 | 74,9<br>991 | 76<br>991   | 77<br>991   |
| 26 .....              | 67,4<br>990                          | 68,4<br>990 | 69,5<br>990 | 70,5<br>990 | 71,5<br>990 | 72,5<br>990 | 73,6<br>990 | 74,6<br>990 | 75,6<br>990 | 76,7<br>990 |
| 27 .....              | 67,1<br>989                          | 68,1<br>989 | 69,2<br>989 | 70,2<br>989 | 71,2<br>989 | 72,2<br>989 | 73,3<br>989 | 74,3<br>989 | 75,3<br>989 | 76,3<br>989 |
| 28 .....              | 66,8<br>988                          | 67,8<br>988 | 68,8<br>988 | 69,9<br>988 | 70,9<br>988 | 71,9<br>988 | 73<br>988   | 74<br>988   | 75<br>988   | 76<br>988   |
| 29 .....              | 66,4<br>988                          | 67,4<br>987 | 68,5<br>987 | 69,5<br>987 | 70,6<br>987 | 71,6<br>987 | 72,6<br>987 | 73,7<br>987 | 74,7<br>987 | 75,7<br>987 |
| 30 .....              | 66,1<br>987                          | 67,1<br>987 | 68,2<br>986 | 69,2<br>986 | 70,3<br>986 | 71,3<br>986 | 72,3<br>986 | 73,3<br>986 | 74,4<br>986 | 75,4<br>986 |



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TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO

| GRADOS DEL TERMOMETRO | GRADOS MARCADOS POR EL ALCOHOLIMETRO |               |               |               |               |               |               |               |               |               |
|-----------------------|--------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                       | 81                                   | 82            | 83            | 84            | 85            | 86            | 87            | 88            | 89            | 90            |
| 0 .....               | 85,2<br>1.014                        | 86,2<br>1.014 | 87,1<br>1.014 | 88<br>1.014   | 88,9<br>1.014 | 89,9<br>1.015 | 90,8<br>1.015 | 91,7<br>1.015 | 92,6<br>1.015 | 93,6<br>1.015 |
| 1 .....               | 85<br>1.013                          | 85,9<br>1.013 | 86,8<br>1.013 | 87,8<br>1.013 | 88,7<br>1.013 | 89,6<br>1.014 | 90,5<br>1.014 | 91,5<br>1.014 | 92,4<br>1.014 | 93,3<br>1.014 |
| 2 .....               | 84,7<br>1.012                        | 85,6<br>1.012 | 86,6<br>1.012 | 87,5<br>1.012 | 88,5<br>1.012 | 89,4<br>1.013 | 90,3<br>1.013 | 91,2<br>1.013 | 92,2<br>1.013 | 93,1<br>1.013 |
| 3 .....               | 84,4<br>1.011                        | 85,4<br>1.011 | 86,3<br>1.011 | 87,3<br>1.011 | 88,2<br>1.011 | 89,2<br>1.012 | 90,1<br>1.012 | 91<br>1.012   | 91,9<br>1.012 | 92,9<br>1.012 |
| 4 .....               | 84,2<br>1.011                        | 85,1<br>1.011 | 86,1<br>1.011 | 87<br>1.011   | 87,9<br>1.011 | 88,9<br>1.011 | 89,8<br>1.011 | 90,8<br>1.011 | 91,7<br>1.011 | 92,7<br>1.011 |
| 5 .....               | 83,9<br>1.010                        | 84,8<br>1.010 | 85,8<br>1.010 | 86,7<br>1.010 | 87,7<br>1.010 | 88,6<br>1.010 | 89,6<br>1.010 | 90,5<br>1.010 | 91,5<br>1.010 | 92,4<br>1.010 |
| 6 .....               | 83,6<br>1.009                        | 84,5<br>1.009 | 85,5<br>1.009 | 86,5<br>1.009 | 87,4<br>1.009 | 88,4<br>1.009 | 89,3<br>1.009 | 90,2<br>1.009 | 91,2<br>1.009 | 92,2<br>1.009 |
| 7 .....               | 83,3<br>1.008                        | 84,2<br>1.008 | 85,2<br>1.008 | 86,2<br>1.008 | 87,2<br>1.008 | 88,1<br>1.008 | 89,1<br>1.008 | 90<br>1.008   | 91<br>1.008   | 91,9<br>1.008 |
| 8 .....               | 83<br>1.007                          | 84<br>1.007   | 85<br>1.007   | 85,9<br>1.007 | 86,9<br>1.007 | 87,9<br>1.007 | 88,8<br>1.007 | 89,8<br>1.007 | 90,7<br>1.007 | 91,7<br>1.007 |
| 9 .....               | 82,7<br>1.006                        | 83,7<br>1.006 | 84,7<br>1.006 | 85,7<br>1.006 | 86,6<br>1.006 | 87,6<br>1.006 | 88,6<br>1.006 | 89,5<br>1.006 | 90,5<br>1.006 | 91,5<br>1.006 |
| 10 .....              | 82,4<br>1.005                        | 83,4<br>1.005 | 84,4<br>1.005 | 85,4<br>1.005 | 86,4<br>1.005 | 87,4<br>1.005 | 88,3<br>1.005 | 89,3<br>1.005 | 90,2<br>1.005 | 91,2<br>1.005 |
| 11 .....              | 82,2<br>1.004                        | 83,1<br>1.004 | 84,1<br>1.004 | 85,1<br>1.004 | 86,1<br>1.004 | 87,1<br>1.004 | 88<br>1.004   | 89<br>1.004   | 90<br>1.004   | 91<br>1.004   |
| 12 .....              | 81,9<br>1.003                        | 82,9<br>1.003 | 83,9<br>1.003 | 84,8<br>1.003 | 85,8<br>1.003 | 86,8<br>1.003 | 87,8<br>1.003 | 88,7<br>1.003 | 89,7<br>1.003 | 90,7<br>1.003 |
| 13 .....              | 81,6<br>1.002                        | 82,6<br>1.002 | 83,6<br>1.002 | 84,6<br>1.002 | 85,5<br>1.002 | 86,5<br>1.002 | 87,5<br>1.002 | 88,5<br>1.002 | 89,5<br>1.002 | 90,5<br>1.002 |
| 14 .....              | 81,3<br>1.001                        | 82,3<br>1.001 | 83,3<br>1.001 | 84,3<br>1.001 | 85,3<br>1.001 | 86,3<br>1.001 | 87,3<br>1.001 | 88,2<br>1.001 | 89,2<br>1.001 | 90,2<br>1.001 |



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TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO

| GRADOS DEL TERMOMETRO | GRADOS MARCADOS POR EL ALCOHOLIMETRO |             |             |             |             |             |             |             |             |             |
|-----------------------|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                       | 81                                   | 82          | 83          | 84          | 85          | 86          | 87          | 88          | 89          | 90          |
| 15 .....              | 81<br>1.000                          | 82<br>1.000 | 83<br>1.000 | 84<br>1.000 | 85<br>1.000 | 86<br>1.000 | 97<br>1.000 | 88<br>1.000 | 89<br>1.000 | 90<br>1.000 |
| 16 .....              | 80,7<br>999                          | 81,7<br>999 | 82,7<br>999 | 83,7<br>999 | 84,7<br>999 | 85,7<br>999 | 86,7<br>999 | 87,7<br>999 | 88,7<br>999 | 89,7<br>999 |
| 17 .....              | 80,4<br>998                          | 81,4<br>998 | 82,4<br>998 | 83,4<br>998 | 84,4<br>998 | 85,4<br>998 | 86,4<br>998 | 87,4<br>998 | 88,4<br>998 | 89,5<br>998 |
| 18 .....              | 80,1<br>997                          | 81,1<br>997 | 82,1<br>997 | 83,1<br>997 | 84,1<br>997 | 85,2<br>997 | 86,2<br>997 | 87,2<br>997 | 88,2<br>997 | 89,2<br>997 |
| 19 .....              | 79,8<br>996                          | 80,8<br>996 | 81,9<br>996 | 82,9<br>996 | 83,9<br>996 | 84,9<br>996 | 85,9<br>996 | 86,9<br>996 | 87,9<br>996 | 88,9<br>996 |
| 20 .....              | 79,5<br>995                          | 80,5<br>995 | 81,6<br>995 | 82,6<br>995 | 83,6<br>995 | 84,6<br>995 | 85,6<br>995 | 86,6<br>995 | 87,7<br>995 | 88,7<br>995 |
| 21 .....              | 79,2<br>994                          | 80,2<br>994 | 81,3<br>994 | 82,3<br>994 | 83,3<br>994 | 84,3<br>994 | 85,3<br>994 | 86,4<br>994 | 87,4<br>994 | 88,4<br>994 |
| 22 .....              | 78,9<br>993                          | 79,9<br>993 | 81<br>993   | 82<br>993   | 83<br>993   | 84<br>993   | 85<br>993   | 86,1<br>993 | 87,1<br>993 | 88,2<br>993 |
| 23 .....              | 78,6<br>992                          | 79,6<br>992 | 80,7<br>992 | 81,7<br>992 | 82,7<br>992 | 83,8<br>992 | 84,8<br>992 | 85,8<br>992 | 86,8<br>992 | 87,9<br>992 |
| 24 .....              | 78,3<br>991                          | 79,3<br>991 | 80,4<br>991 | 81,4<br>991 | 82,4<br>991 | 83,5<br>991 | 84,5<br>991 | 85,5<br>991 | 86,5<br>991 | 87,6<br>991 |
| 25 .....              | 78<br>991                            | 79<br>991   | 80,1<br>990 | 81,1<br>990 | 82,1<br>990 | 83,2<br>990 | 84,2<br>990 | 85,2<br>990 | 86,2<br>990 | 87,4<br>990 |
| 26 .....              | 77,7<br>990                          | 78,7<br>989 | 79,8<br>989 | 80,8<br>989 | 81,8<br>989 | 82,9<br>989 | 83,9<br>989 | 84,9<br>989 | 86<br>989   | 87,1<br>989 |
| 27 .....              | 77,4<br>989                          | 78,4<br>988 | 79,5<br>988 | 80,5<br>988 | 81,5<br>988 | 82,6<br>988 | 83,6<br>988 | 84,7<br>988 | 85,7<br>988 | 86,8<br>988 |
| 28 .....              | 77,1<br>988                          | 78,1<br>988 | 79,2<br>987 | 80,2<br>987 | 81,2<br>987 | 82,3<br>987 | 83,3<br>987 | 84,4<br>987 | 85,4<br>987 | 86,5<br>987 |
| 29 .....              | 76,7<br>987                          | 77,8<br>987 | 78,9<br>987 | 79,9<br>986 | 80,9<br>986 | 82<br>986   | 83<br>986   | 84,1<br>986 | 85,1<br>986 | 86,2<br>986 |
| 30 .....              | 76,4<br>986                          | 77,5<br>986 | 78,6<br>986 | 79,6<br>986 | 80,6<br>985 | 81,7<br>985 | 82,7<br>985 | 83,8<br>985 | 84,9<br>985 | 86<br>985   |



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TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO

| GRADOS DEL TERMOMETRO | GRADOS MARCADOS POR EL ALCOHOLIMETRO |               |               |               |               |               |               |               |               |     |
|-----------------------|--------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-----|
|                       | 91                                   | 92            | 93            | 94            | 95            | 96            | 97            | 98            | 99            | 100 |
| 0 .....               | 94,5<br>1.015                        | 95,3<br>1.015 | 96,2<br>1.015 | 97,1<br>1.015 | 98<br>1.015   | 98,8<br>1.015 | 99,7<br>1.016 |               |               |     |
| 1 .....               | 94,3<br>1.014                        | 95,1<br>1.014 | 96<br>1.014   | 96,9<br>1.014 | 97,8<br>1.014 | 98,6<br>1.014 | 99,5<br>1.014 |               |               |     |
| 2 .....               | 94<br>1.013                          | 94,9<br>1.013 | 95,8<br>1.013 | 96,7<br>1.013 | 97,6<br>1.013 | 98,5<br>1.013 | 99,3<br>1.014 |               |               |     |
| 3 .....               | 93,8<br>1.012                        | 94,7<br>1.012 | 95,6<br>1.012 | 96,5<br>1.012 | 97,4<br>1.012 | 98,3<br>1.012 | 99,2<br>1.012 |               |               |     |
| 4 .....               | 93,6<br>1.011                        | 94,5<br>1.011 | 95,4<br>1.011 | 96,3<br>1.011 | 97,2<br>1.011 | 98,1<br>1.011 | 99<br>1.011   | 99,9<br>1.011 |               |     |
| 5 .....               | 93,4<br>1.010                        | 94,3<br>1.010 | 95,2<br>1.010 | 96,1<br>1.010 | 97<br>1.010   | 97,9<br>1.010 | 98,8<br>1.010 | 99,7<br>1.010 |               |     |
| 6 .....               | 93,1<br>1.009                        | 94,1<br>1.009 | 95<br>1.009   | 95,9<br>1.009 | 96,8<br>1.009 | 97,8<br>1.009 | 98,7<br>1.009 | 99,6<br>1.009 |               |     |
| 7 .....               | 92,9<br>1.008                        | 93,9<br>1.008 | 94,8<br>1.008 | 95,7<br>1.008 | 96,6<br>1.008 | 97,6<br>1.008 | 98,5<br>1.008 | 99,4<br>1.008 |               |     |
| 8 .....               | 92,7<br>1.007                        | 93,6<br>1.007 | 94,6<br>1.007 | 95,5<br>1.007 | 96,4<br>1.007 | 97,4<br>1.007 | 98,3<br>1.007 | 99,2<br>1.007 |               |     |
| 9 .....               | 92,5<br>1.006                        | 93,4<br>1.006 | 94,4<br>1.006 | 95,3<br>1.006 | 96,2<br>1.006 | 97,2<br>1.006 | 98,1<br>1.006 | 99,1<br>1.006 | 100<br>1.006  |     |
| 10 .....              | 92,2<br>1.005                        | 93,2<br>1.005 | 94,2<br>1.005 | 95,1<br>1.005 | 96<br>1.005   | 97<br>1.005   | 98<br>1.005   | 98,9<br>1.005 | 99,9<br>1.005 |     |
| 11 .....              | 92<br>1.004                          | 92,9<br>1.004 | 93,9<br>1.004 | 94,9<br>1.004 | 95,8<br>1.004 | 96,8<br>1.004 | 97,8<br>1.004 | 98,7<br>1.004 | 99,7<br>1.004 |     |
| 12 .....              | 91,7<br>1.003                        | 92,7<br>1.003 | 93,7<br>1.003 | 94,7<br>1.003 | 95,6<br>1.003 | 96,6<br>1.003 | 97,6<br>1.003 | 98,5<br>1.003 | 99,5<br>1.003 |     |
| 13 .....              | 91,5<br>1.002                        | 92,5<br>1.002 | 93,5<br>1.002 | 94,4<br>1.002 | 95,4<br>1.002 | 96,4<br>1.002 | 97,4<br>1.002 | 98,4<br>1.002 | 99,3<br>1.002 |     |
| 14 .....              | 91,2<br>1.001                        | 92,2<br>1.001 | 93,2<br>1.001 | 94,2<br>1.001 | 95,2<br>1.001 | 96,2<br>1.001 | 97,2<br>1.001 | 98,2<br>1.001 | 99,2<br>1.001 |     |

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TABLA PRIMERA DE FUERZA REAL ALCOHOL ETÍLICO

| GRADOS DEL TERMOMETRO | GRADOS MARCADOS POR EL ALCOHOLIMETRO |             |             |             |             |             |             |             |             |              |
|-----------------------|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
|                       | 91                                   | 92          | 93          | 94          | 95          | 96          | 97          | 98          | 99          | 100          |
| 15 .....              | 91<br>1.000                          | 92<br>1.000 | 93<br>1.000 | 94<br>1.000 | 95<br>1.000 | 96<br>1.000 | 97<br>1.000 | 98<br>1.000 | 99<br>1.000 | 100<br>1.000 |
| 16 .....              | 90,8<br>999                          | 91,8<br>999 | 92,8<br>999 | 93,8<br>999 | 94,8<br>999 | 95,8<br>999 | 96,8<br>999 | 97,8<br>999 | 98,8<br>999 | 99,8<br>999  |
| 17 .....              | 90,5<br>998                          | 91,5<br>998 | 92,6<br>998 | 93,6<br>998 | 94,6<br>998 | 95,6<br>998 | 96,6<br>998 | 97,6<br>998 | 98,7<br>998 | 99,7<br>998  |
| 18 .....              | 90,2<br>997                          | 91,3<br>997 | 92,3<br>997 | 93,3<br>997 | 94,3<br>997 | 95,4<br>997 | 96,4<br>997 | 97,4<br>997 | 98,5<br>997 | 99,5<br>997  |
| 19 .....              | 90<br>996                            | 91,1<br>996 | 92,1<br>996 | 93,1<br>996 | 94,1<br>996 | 95,2<br>996 | 96,2<br>996 | 97,3<br>996 | 98,3<br>996 | 99,3<br>996  |
| 20 .....              | 89,7<br>995                          | 90,8<br>995 | 91,8<br>995 | 92,9<br>995 | 93,9<br>995 | 95<br>995   | 96<br>995   | 97,1<br>995 | 98,1<br>995 | 99,1<br>995  |
| 21 .....              | 89,5<br>994                          | 90,5<br>994 | 91,6<br>994 | 92,6<br>994 | 93,7<br>994 | 94,7<br>994 | 95,8<br>994 | 96,9<br>994 | 97,9<br>994 | 99<br>994    |
| 22 .....              | 89,2<br>993                          | 90,2<br>993 | 91,3<br>993 | 92,4<br>993 | 93,4<br>993 | 94,5<br>993 | 95,6<br>993 | 96,7<br>993 | 97,7<br>993 | 98,8<br>993  |
| 23 .....              | 89<br>992                            | 90<br>992   | 91,1<br>992 | 92,1<br>992 | 93,2<br>992 | 94,3<br>992 | 95,4<br>992 | 96,5<br>992 | 97,5<br>992 | 98,6<br>992  |
| 24 .....              | 88,7<br>991                          | 89,7<br>991 | 90,8<br>991 | 91,9<br>991 | 93<br>991   | 94,1<br>991 | 95,2<br>991 | 96,2<br>991 | 97,3<br>991 | 98,4<br>991  |
| 25 .....              | 88,4<br>990                          | 89,5<br>990 | 90,6<br>990 | 91,6<br>990 | 92,7<br>990 | 93,8<br>990 | 94,9<br>990 | 96<br>990   | 97,1<br>990 | 98,2<br>990  |
| 26 .....              | 88,2<br>989                          | 89,2<br>989 | 90,3<br>989 | 91,4<br>989 | 92,5<br>989 | 93,6<br>989 | 94,7<br>989 | 95,8<br>989 | 96,9<br>989 | 98,1<br>989  |
| 27 .....              | 87,9<br>988                          | 89<br>988   | 90,1<br>988 | 91,1<br>988 | 92,2<br>988 | 93,4<br>988 | 94,5<br>988 | 95,6<br>987 | 96,7<br>987 | 97,9<br>987  |
| 28 .....              | 87,6<br>987                          | 88,7<br>987 | 89,8<br>987 | 90,9<br>987 | 92<br>987   | 93,1<br>987 | 94,3<br>987 | 95,4<br>986 | 96,5<br>986 | 97,7<br>986  |
| 29 .....              | 87,3<br>986                          | 88,4<br>986 | 89,5<br>986 | 90,6<br>986 | 91,7<br>986 | 92,9<br>986 | 94,1<br>986 | 95,2<br>986 | 96,3<br>985 | 97,5<br>985  |
| 30 .....              | 87,1<br>985                          | 88,2<br>985 | 89,3<br>985 | 90,4<br>985 | 91,5<br>985 | 92,7<br>985 | 93,8<br>985 | 95<br>985   | 96,1<br>984 | 97,3<br>984  |



TABLA SEGUNDA DE PESOS Y VOLUMENES DE ALCOHOL ETÍLICO

| Grado real<br>o<br>aparente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C) | Grado real<br>o<br>aparente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C C) |
|-----------------------------|---|------------------------------------|-----------------------------|---|-----------------------------------|
| 0.0                         | 998.08  | 1001.92                            | 2.0                         | 995.03  | 1004.99                           |
| 1                           | 7.92  | 2.08                               | 1                           | 4.88  | 5.14                              |
| 2                           | 7.76  | 2.24                               | 2                           | 4.73  | 5.29                              |
| 3                           | 7.60  | 2.40                               | 3                           | 4.59  | 5.43                              |
| 4                           | 7.45  | 2.55                               | 4                           | 4.44  | 5.58                              |
| 5                           | 7.29  | 2.71                               | 5                           | 4.30  | 5.72                              |
| 6                           | 7.13  | 2.87                               | 6                           | 4.16  | 5.87                              |
| 7                           | 6.98  | 3.02                               | 7                           | 4.02  | 6.01                              |
| 8                           | 6.82  | 3.18                               | 8                           | 3.88  | 6.16                              |
| 9                           | 6.67  | 3.34                               | 9                           | 3.74  | 6.30                              |
| 1.0                         | 996.52  | 1003.49                            | 3.0                         | 993.60  | 1006.44                           |
| 1                           | 6.37  | 3.64                               | 1                           | 3.46  | 6.59                              |
| 2                           | 6.22  | 3.79                               | 2                           | 3.32  | 6.73                              |
| 3                           | 6.07  | 3.94                               | 3                           | 3.18  | 6.87                              |
| 4                           | 5.92  | 4.09                               | 4                           | 3.04  | 7.01                              |
| 5                           | 5.77  | 4.24                               | 5                           | 2.90  | 7.15                              |
| 6                           | 5.62  | 4.39                               | 6                           | 2.76  | 7.29                              |
| 7                           | 5.47  | 4.54                               | 7                           | 2.62  | 7.43                              |
| 8                           | 5.32  | 4.69                               | 8                           | 2.48  | 7.57                              |
| 9                           | 5.17  | 4.84                               | 9                           | 2.34  | 7.71                              |



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TABLA SEGUNDA DE PESOS Y VOLUMENES DE ALCOHOL ETÍLICO

| Grado real<br>o apa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C.) | Grado real<br>o apa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C.) |
|-------------------------------|---|-------------------------------------|-------------------------------|---|-------------------------------------|
| 4.0                           | 992.21  | 1007.85                             | 8.0                           | 986.99  | 1013.18                             |
| 1                             | 2.07  | 7.99                                | 1                             | 6.87  | 3.31                                |
| 2                             | 1.93  | 8.13                                | 2                             | 6.75  | 3.48                                |
| 3                             | 1.79  | 8.27                                | 3                             | 6.62  | 3.56                                |
| 4                             | 1.66  | 8.41                                | 4                             | 6.50  | 3.68                                |
| 5                             | 1.52  | 8.55                                | 5                             | 6.38  | 3.80                                |
| 6                             | 1.38  | 8.69                                | 6                             | 6.26  | 3.93                                |
| 7                             | 1.25  | 8.82                                | 7                             | 6.14  | 4.05                                |
| 8                             | 1.11  | 8.96                                | 8                             | 6.02  | 4.17                                |
| 9                             | 0.98  | 9.10                                | 9                             | 5.90  | 4.30                                |
| 5.0                           | 990.85  | 1009.23                             | 9.0                           | 985.78  | 1014.42                             |
| 1                             | 0.71  | 9.37                                | 1                             | 5.66  | 4.54                                |
| 2                             | 0.58  | 9.50                                | 2                             | 5.54  | 4.67                                |
| 3                             | 0.45  | 9.63                                | 3                             | 5.42  | 4.79                                |
| 4                             | 0.32  | 9.77                                | 4                             | 5.30  | 4.91                                |
| 5                             | 0.18  | 9.90                                | 5                             | 5.19  | 5.03                                |
| 6                             | 0.05  | 1010.04                             | 6                             | 5.07  | 5.15                                |
| 7                             | 989.92  | 0.17                                | 7                             | 4.95  | 5.27                                |
| 8                             | 9.79  | 0.31                                | 8                             | 4.83  | 5.39                                |
| 9                             | 9.66  | 0.45                                | 9                             | 4.72  | 5.51                                |
| 6.0                           | 989.53  | 1010.58                             | 10.0                          | 984.61  | 1015.63                             |
| 1                             | 9.40  | 0.72                                | 1                             | 4.49  | 5.75                                |
| 2                             | 9.27  | 0.85                                | 2                             | 4.37  | 5.87                                |
| 3                             | 9.14  | 0.98                                | 3                             | 4.26  | 5.99                                |
| 4                             | 9.01  | 1.12                                | 4                             | 4.14  | 6.11                                |
| 5                             | 8.88  | 1.25                                | 5                             | 4.02  | 6.23                                |
| 6                             | 8.75  | 1.38                                | 6                             | 3.91  | 6.34                                |
| 7                             | 8.62  | 1.51                                | 7                             | 3.80  | 6.46                                |
| 8                             | 8.49  | 1.64                                | 8                             | 3.68  | 6.58                                |
| 9                             | 8.37  | 1.77                                | 9                             | 3.57  | 6.70                                |
| 7.0                           | 988.24  | 1011.90                             | 11.0                          | 983.46  | 1016.81                             |
| 1                             | 8.11  | 2.03                                | 1                             | 3.34  | 6.93                                |
| 2                             | 7.98  | 2.16                                | 2                             | 3.23  | 7.05                                |
| 3                             | 7.86  | 2.29                                | 3                             | 3.12  | 7.16                                |
| 4                             | 7.73  | 2.42                                | 4                             | 3.00  | 7.28                                |
| 5                             | 7.60  | 2.55                                | 5                             | 2.89  | 7.40                                |
| 6                             | 7.48  | 2.67                                | 6                             | 2.78  | 7.52                                |
| 7                             | 7.36  | 2.80                                | 7                             | 2.67  | 7.63                                |
| 8                             | 7.23  | 2.93                                | 8                             | 2.55  | 7.75                                |
| 9                             | 7.11  | 3.06                                | 9                             | 2.44  | 7.87                                |

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**TABLA SEGUNDA DE PESOS Y VOLUMENES DE ALCOHOL ETÍLICO**

| Grado real<br>o apa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C) | Grado real<br>o apa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C) |
|-------------------------------|---|------------------------------------|-------------------------------|---|------------------------------------|
| 12.0                          | 982.33  | 1017.98                            | 16.0                          | 978.04  | 1022.45                            |
| 1                             | 2.22  | 8.10                               | 1                             | 7.94  | 2.56                               |
| 2                             | 2.11  | 8.21                               | 2                             | 7.81  | 2.67                               |
| 3                             | 2.00  | 8.33                               | 3                             | 7.73  | 2.78                               |
| 4                             | 1.89  | 8.44                               | 4                             | 7.63  | 2.89                               |
| 5                             | 1.78  | 8.55                               | 5                             | 7.53  | 3.00                               |
| 6                             | 1.67  | 8.67                               | 6                             | 7.42  | 3.11                               |
| 7                             | 1.56  | 8.78                               | 7                             | 7.32  | 3.21                               |
| 8                             | 1.45  | 8.89                               | 8                             | 7.22  | 3.32                               |
| 9                             | 1.34  | 9.01                               | 9                             | 7.11  | 3.43                               |
| 13.0                          | 981.23  | 1019.12                            | 17.0                          | 977.01  | 1023.53                            |
| 1                             | 1.12  | 9.23                               | 1                             | 6.91  | 3.64                               |
| 2                             | 1.01  | 9.35                               | 2                             | 6.81  | 3.75                               |
| 3                             | 0.90  | 9.46                               | 3                             | 6.71  | 3.85                               |
| 4                             | 0.79  | 9.57                               | 4                             | 6.60  | 3.96                               |
| 5                             | 0.69  | 9.69                               | 5                             | 6.50  | 4.07                               |
| 6                             | 0.58  | 9.80                               | 6                             | 6.40  | 4.17                               |
| 7                             | 0.47  | 9.91                               | 7                             | 6.30  | 4.28                               |
| 8                             | 0.36  | 1020.03                            | 8                             | 6.20  | 4.39                               |
| 9                             | 0.26  | 0.14                               | 9                             | 6.09  | 4.49                               |
| 14.0                          | 980.15  | 1020.25                            | 18.0                          | 975.99  | 1024.60                            |
| 1                             | 0.04  | 0.36                               | 1                             | 5.89  | 4.71                               |
| 2                             | 979.93  | 0.47                               | 2                             | 5.79  | 4.81                               |
| 3                             | 9.83  | 0.58                               | 3                             | 5.69  | 4.92                               |
| 4                             | 9.72  | 0.69                               | 4                             | 5.58  | 5.03                               |
| 5                             | 9.61  | 0.80                               | 5                             | 5.48  | 5.13                               |
| 6                             | 9.51  | 0.91                               | 6                             | 5.38  | 5.24                               |
| 7                             | 9.40  | 1.02                               | 7                             | 5.28  | 5.35                               |
| 8                             | 9.30  | 1.13                               | 8                             | 5.18  | 5.45                               |
| 9                             | 9.19  | 1.24                               | 9                             | 5.07  | 5.56                               |
| 15.0                          | 979.09  | 1021.35                            | 19.0                          | 974.97  | 1025.67                            |
| 1                             | 8.98  | 1.46                               | 1                             | 4.87  | 5.77                               |
| 2                             | 8.98  | 1.57                               | 2                             | 4.77  | 5.88                               |
| 3                             | 8.77  | 1.68                               | 3                             | 4.67  | 5.98                               |
| 4                             | 8.67  | 1.79                               | 4                             | 4.57  | 6.09                               |
| 5                             | 8.56  | 1.90                               | 5                             | 4.46  | 6.19                               |
| 6                             | 8.40  | 2.01                               | 6                             | 4.36  | 6.30                               |
| 7                             | 8.35  | 2.12                               | 7                             | 4.26  | 6.41                               |
| 8                             | 8.25  | 2.23                               | 8                             | 4.16  | 6.51                               |
| 9                             | 8.14  | 2.34                               | 9                             | 4.06  | 6.62                               |

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| Grado real<br>o apa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C.) | Grado real<br>o apa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C.) |
|-------------------------------|---|-------------------------------------|-------------------------------|---|-------------------------------------|
| 20.0                          | 973.96  | 1026.73                             | 24.0                          | 969.95  | 1030.98                             |
| 1                             | 3.86  | 6.83                                | 1                             | 9.85  | 1.09                                |
| 2                             | 3.76  | 6.94                                | 2                             | 9.75  | 1.19                                |
| 3                             | 3.66  | 7.04                                | 3                             | 9.65  | 1.30                                |
| 4                             | 3.56  | 7.15                                | 4                             | 9.54  | 1.41                                |
| 5                             | 3.46  | 7.26                                | 5                             | 9.44  | 1.51                                |
| 6                             | 3.36  | 7.36                                | 6                             | 9.34  | 1.62                                |
| 7                             | 3.26  | 7.47                                | 7                             | 9.24  | 1.73                                |
| 8                             | 3.16  | 7.57                                | 8                             | 9.14  | 1.83                                |
| 9                             | 3.06  | 7.68                                | 9                             | 9.04  | 1.94                                |
| 21.0                          | 972.96  | 1027.79                             | 25.0                          | 8.94  | 1032.05                             |
| 1                             | 2.86  | 7.89                                | 1                             | 8.83  | 2.16                                |
| 2                             | 2.76  | 8.00                                | 2                             | 8.73  | 2.27                                |
| 3                             | 2.66  | 8.10                                | 3                             | 8.63  | 2.38                                |
| 4                             | 2.56  | 8.21                                | 4                             | 8.53  | 2.49                                |
| 5                             | 2.46  | 8.32                                | 5                             | 8.42  | 2.60                                |
| 6                             | 2.36  | 8.42                                | 6                             | 8.32  | 2.71                                |
| 7                             | 2.26  | 8.53                                | 7                             | 8.22  | 2.82                                |
| 8                             | 2.16  | 8.63                                | 8                             | 8.12  | 2.93                                |
| 9                             | 2.06  | 8.74                                | 9                             | 8.01  | 3.04                                |
| 22.0                          | 971.96  | 1028.85                             | 26.0                          | 7.91  | 1033.15                             |
| 1                             | 1.86  | 8.96                                | 1                             | 7.81  | 3.26                                |
| 2                             | 1.76  | 9.06                                | 2                             | 7.70  | 3.37                                |
| 3                             | 1.65  | 9.17                                | 3                             | 7.60  | 3.48                                |
| 4                             | 1.55  | 9.28                                | 4                             | 7.49  | 3.59                                |
| 5                             | 1.45  | 9.38                                | 5                             | 7.39  | 3.71                                |
| 6                             | 1.35  | 9.49                                | 6                             | 7.28  | 3.82                                |
| 7                             | 1.25  | 9.60                                | 7                             | 7.18  | 3.93                                |
| 8                             | 1.15  | 9.70                                | 8                             | 7.07  | 4.05                                |
| 9                             | 1.05  | 9.81                                | 9                             | 6.97  | 4.16                                |
| 23.0                          | 970.95  | 1029.92                             | 27.0                          | 6.86  | 1034.28                             |
| 1                             | 0.85  | 1030.02                             | 1                             | 6.76  | 4.39                                |
| 2                             | 0.75  | 0.13                                | 2                             | 6.65  | 4.51                                |
| 3                             | 0.65  | 0.24                                | 3                             | 6.55  | 4.62                                |
| 4                             | 0.55  | 0.34                                | 4                             | 6.44  | 4.73                                |
| 5                             | 0.45  | 0.45                                | 5                             | 6.34  | 4.85                                |
| 6                             | 0.34  | 0.56                                | 6                             | 6.23  | 4.96                                |
| 7                             | 0.24  | 0.66                                | 7                             | 6.12  | 5.07                                |
| 8                             | 0.14  | 0.77                                | 8                             | 6.01  | 5.19                                |
| 9                             | 0.04  | 0.88                                | 9                             | 5.90  | 5.30                                |



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TABLA SEGUNDA DE PESOS Y VOLUMENES DE ALCOHOL ETÍLICO

| Grado real<br>o apa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C.) | Grado real<br>o apa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C.) |
|-------------------------------|---|-------------------------------------|-------------------------------|---|-------------------------------------|
| 28.0                          | 965.79  | 1035.42                             | 32.0                          | 961.17  | 1040.40                             |
| 1                             | 5.68  | 5.53                                | 1                             | 1.05  | 0.53                                |
| 2                             | 5.57  | 5.65                                | 2                             | 0.92  | 0.66                                |
| 3                             | 5.46  | 5.77                                | 3                             | 0.80  | 0.80                                |
| 4                             | 5.35  | 5.88                                | 4                             | 0.68  | 0.93                                |
| 5                             | 5.24  | 6.00                                | 5                             | 0.55  | 1.06                                |
| 6                             | 5.13  | 6.12                                | 6                             | 0.43  | 1.20                                |
| 7                             | 5.02  | 6.24                                | 7                             | 0.31  | 1.33                                |
| 8                             | 4.91  | 6.36                                | 8                             | 0.18  | 1.47                                |
| 9                             | 4.80  | 6.48                                | 9                             | 0.06  | 1.60                                |
| 29.0                          | 964.69  | 1036.60                             | 33.0                          | 959.93  | 1041.74                             |
| 1                             | 4.58  | 6.72                                | 1                             | 9.80  | 1.87                                |
| 2                             | 4.47  | 6.84                                | 2                             | 9.67  | 2.01                                |
| 3                             | 4.35  | 6.97                                | 3                             | 9.55  | 2.15                                |
| 4                             | 4.24  | 7.09                                | 4                             | 9.42  | 2.29                                |
| 5                             | 4.13  | 7.21                                | 5                             | 9.29  | 2.43                                |
| 6                             | 4.01  | 7.33                                | 6                             | 9.17  | 2.57                                |
| 7                             | 3.90  | 7.46                                | 7                             | 9.04  | 2.71                                |
| 8                             | 3.78  | 7.58                                | 8                             | 8.91  | 2.85                                |
| 9                             | 3.67  | 7.70                                | 9                             | 8.78  | 2.99                                |
| 30.0                          | 963.55  | 1037.83                             | 34.0                          | 958.65  | 1043.13                             |
| 1                             | 3.44  | 7.95                                | 1                             | 8.52  | 3.27                                |
| 2                             | 3.32  | 8.08                                | 2                             | 8.39  | 3.41                                |
| 3                             | 3.20  | 8.20                                | 3                             | 8.26  | 3.56                                |
| 4                             | 3.09  | 8.33                                | 4                             | 8.13  | 3.70                                |
| 5                             | 2.97  | 8.45                                | 5                             | 7.99  | 3.84                                |
| 6                             | 2.85  | 8.58                                | 6                             | 7.86  | 3.99                                |
| 7                             | 2.73  | 8.70                                | 7                             | 7.73  | 4.13                                |
| 8                             | 2.62  | 8.83                                | 8                             | 7.60  | 4.28                                |
| 9                             | 2.50  | 8.96                                | 9                             | 7.46  | 4.42                                |
| 31.0                          | 962.38  | 1039.09                             | 35.0                          | 957.33  | 1044.57                             |
| 1                             | 2.26  | 9.22                                | 1                             | 7.19  | 4.71                                |
| 2                             | 2.14  | 9.35                                | 2                             | 7.05  | 4.86                                |
| 3                             | 2.02  | 9.48                                | 3                             | 6.92  | 5.01                                |
| 4                             | 1.90  | 9.61                                | 4                             | 6.78  | 5.16                                |
| 5                             | 1.78  | 9.74                                | 5                             | 6.64  | 5.31                                |
| 6                             | 1.66  | 9.87                                | 6                             | 6.51  | 5.46                                |
| 7                             | 1.54  | 1040.00                             | 7                             | 6.37  | 5.61                                |
| 8                             | 1.41  | 0.13                                | 8                             | 6.23  | 5.76                                |
| 9                             | 1.29  | 0.26                                | 9                             | 6.10  | 5.91                                |

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| Grado real<br>o apa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C.) | Grado real<br>o apa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C.) |
|-------------------------------|---|-------------------------------------|-------------------------------|---|-------------------------------------|
| 36.0                          | 955.96  | 1046.06                             | 40.0                          | 959.07  | 1052.55                             |
| 1                             | 5.82  | 6.21                                | 1                             | 249.91  | 2.72                                |
| 2                             | 5.68  | 6.36                                | 2                             | 9.73  | 2.90                                |
| 3                             | 5.54  | 6.52                                | 3                             | 9.59  | 3.08                                |
| 4                             | 5.40  | 6.67                                | 4                             | 9.43  | 3.25                                |
| 5                             | 5.26  | 6.82                                | 5                             | 9.27  | 3.43                                |
| 6                             | 5.12  | 6.98                                | 6                             | 9.11  | 3.61                                |
| 7                             | 4.98  | 7.13                                | 7                             | 8.95  | 3.79                                |
| 8                             | 4.83  | 7.29                                | 8                             | 8.79  | 3.97                                |
| 9                             | 4.69  | 7.44                                | 9                             | 8.63  | 4.15                                |
| 37.0                          | 954.56  | 1047.60                             | 41.0                          | 948.47  | 1054.33                             |
| 1                             | 4.42  | 7.76                                | 1                             | 8.31  | 4.51                                |
| 2                             | 4.27  | 7.92                                | 2                             | 8.15  | 4.69                                |
| 3                             | 4.13  | 8.08                                | 3                             | 7.98  | 4.87                                |
| 4                             | 3.99  | 8.24                                | 4                             | 7.82  | 5.06                                |
| 5                             | 3.84  | 8.40                                | 5                             | 7.66  | 5.24                                |
| 6                             | 3.70  | 8.56                                | 6                             | 7.49  | 5.42                                |
| 7                             | 3.55  | 8.72                                | 7                             | 7.33  | 5.61                                |
| 8                             | 3.40  | 8.88                                | 8                             | 7.16  | 5.79                                |
| 9                             | 3.25  | 9.04                                | 9                             | 7.00  | 5.97                                |
| 38.0                          | 953.10  | 1049.21                             | 42.0                          | 946.83  | 1056.16                             |
| 1                             | 2.95  | 9.37                                | 1                             | 6.67  | 6.34                                |
| 2                             | 2.80  | 9.53                                | 2                             | 6.50  | 6.53                                |
| 3                             | 2.66  | 9.70                                | 3                             | 6.33  | 6.71                                |
| 4                             | 2.51  | 9.86                                | 4                             | 6.17  | 6.90                                |
| 5                             | 2.36  | 1050.02                             | 5                             | 6.00  | 7.08                                |
| 6                             | 2.21  | 0.19                                | 6                             | 5.83  | 7.27                                |
| 7                             | 2.06  | 0.35                                | 7                             | 5.67  | 7.45                                |
| 8                             | 1.91  | 0.52                                | 8                             | 5.50  | 7.64                                |
| 9                             | 1.76  | 0.68                                | 9                             | 5.33  | 7.83                                |
| 39.0                          | 951.61  | 1050.85                             | 43.0                          | 945.16  | 1058.02                             |
| 1                             | 1.46  | 1.02                                | 1                             | 4.99  | 8.21                                |
| 2                             | 1.31  | 1.19                                | 2                             | 4.82  | 8.40                                |
| 3                             | 1.16  | 1.36                                | 3                             | 4.65  | 8.59                                |
| 4                             | 1.01  | 1.53                                | 4                             | 4.48  | 8.78                                |
| 5                             | 0.85  | 1.70                                | 5                             | 4.31  | 8.97                                |
| 6                             | 0.70  | 1.87                                | 6                             | 4.14  | 9.16                                |
| 7                             | 0.55  | 2.04                                | 7                             | 3.97  | 9.35                                |
| 8                             | 0.39  | 2.21                                | 8                             | 3.80  | 9.54                                |
| 9                             | 0.23  | 2.38                                | 9                             | 3.67  | 9.73                                |

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| Grado real<br>o apa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C.) | Grado real<br>o apa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C.) |
|-------------------------------|---|-------------------------------------|-------------------------------|---|-------------------------------------|
| 44.0                          | 943.46  | 1052.93                             | 48.0                          | 936.29  | 1058.05                             |
| 1                             | 3.28  | 1060.12                             | 1                             | 6.10  | 8.26                                |
| 2                             | 3.11  | 0.32                                | 2                             | 5.92  | 8.47                                |
| 3                             | 2.94  | 0.51                                | 3                             | 3.73  | 8.69                                |
| 4                             | 2.77  | 0.71                                | 4                             | 5.54  | 8.90                                |
| 5                             | 2.59  | 0.90                                | 5                             | 5.35  | 9.11                                |
| 6                             | 2.42  | 1.10                                | 6                             | 5.17  | 9.33                                |
| 7                             | 2.25  | 1.29                                | 7                             | 4.98  | 9.54                                |
| 8                             | 2.07  | 1.49                                | 8                             | 4.79  | 9.76                                |
| 9                             | 1.90  | 1.69                                | 9                             | 4.60  | 9.97                                |
| 45.0                          | 941.72  | 1061.89                             | 49.0                          | 934.41  | 1070.19                             |
| 1                             | 1.55  | 2.09                                | 1                             | 4.22  | 0.41                                |
| 2                             | 1.37  | 2.29                                | 2                             | 4.03  | 0.63                                |
| 3                             | 1.19  | 2.49                                | 3                             | 3.84  | 0.85                                |
| 4                             | 1.02  | 2.69                                | 4                             | 3.65  | 1.07                                |
| 5                             | 0.84  | 2.89                                | 5                             | 3.45  | 1.29                                |
| 6                             | 0.66  | 3.09                                | 6                             | 3.26  | 1.51                                |
| 7                             | 0.48  | 3.29                                | 7                             | 3.07  | 1.73                                |
| 8                             | 0.30  | 3.49                                | 8                             | 2.88  | 1.95                                |
| 9                             | 0.12  | 3.69                                | 9                             | 2.68  | 2.17                                |
| 46.0                          | 939.95  | 1063.89                             | 50.0                          | 932.49  | 1072.40                             |
| 1                             | 9.77  | 4.09                                | 1                             | 2.30  | 2.62                                |
| 2                             | 9.59  | 4.30                                | 2                             | 2.10  | 2.85                                |
| 3                             | 9.41  | 4.50                                | 3                             | 1.91  | 3.07                                |
| 4                             | 9.23  | 4.71                                | 4                             | 1.71  | 3.30                                |
| 5                             | 9.05  | 4.91                                | 5                             | 1.52  | 3.52                                |
| 6                             | 8.87  | 5.12                                | 6                             | 1.32  | 3.75                                |
| 7                             | 8.68  | 5.32                                | 7                             | 1.12  | 3.97                                |
| 8                             | 8.50  | 5.53                                | 8                             | 0.93  | 4.20                                |
| 9                             | 8.32  | 5.73                                | 9                             | 0.73  | 4.43                                |
| 47.0                          | 938.14  | 1065.94                             | 51.0                          | 930.53  | 1074.66                             |
| 1                             | 7.95  | 6.15                                | 1                             | 0.33  | 4.89                                |
| 2                             | 7.77  | 6.36                                | 2                             | 0.15  | 5.12                                |
| 3                             | 7.59  | 6.57                                | 3                             | 929.93  | 5.35                                |
| 4                             | 7.41  | 6.78                                | 4                             | 9.73  | 5.58                                |
| 5                             | 7.22  | 6.99                                | 5                             | 9.53  | 5.81                                |
| 6                             | 7.04  | 7.20                                | 6                             | 9.33  | 6.04                                |
| 7                             | 6.85  | 7.41                                | 7                             | 9.13  | 6.27                                |
| 8                             | 6.66  | 7.62                                | 8                             | 8.93  | 6.50                                |
| 9                             | 6.48  | 7.83                                | 9                             | 8.73  | 6.73                                |

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| Grado real<br>o apa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C.) | Grado real<br>o apa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C.) |
|-------------------------------|---|-------------------------------------|-------------------------------|---|-------------------------------------|
| 52.0                          | 928.53  | 1076.97                             | 56.0                          | 920.22  | 1086.70                             |
| 1                             | 8.33  | 7.20                                | 1                             | 0.01  | 6.95                                |
| 2                             | 8.13  | 7.44                                | 2                             | 919.80  | 7.20                                |
| 3                             | 7.72  | 7.67                                | 3                             | 9.59  | 7.45                                |
| 4                             | 7.72  | 7.91                                | 4                             | 9.37  | 7.70                                |
| 5                             | 7.52  | 8.14                                | 5                             | 9.16  | 7.95                                |
| 6                             | 7.31  | 8.38                                | 6                             | 8.95  | 8.20                                |
| 7                             | 7.11  | 8.61                                | 7                             | 8.74  | 8.45                                |
| 8                             | 6.90  | 8.85                                | 8                             | 8.52  | 8.70                                |
| 9                             | 6.70  | 9.09                                | 9                             | 8.31  | 8.95                                |
| 53.0                          | 926.50  | 1079.33                             | 57.0                          | 918.10  | 1089.21                             |
| 1                             | 6.30  | 9.57                                | 1                             | 7.89  | 9.46                                |
| 2                             | 6.09  | 9.81                                | 2                             | 7.67  | 9.71                                |
| 3                             | 5.88  | 1080.05                             | 3                             | 7.46  | 9.96                                |
| 4                             | 5.68  | 0.29                                | 4                             | 7.25  | 1090.22                             |
| 5                             | 5.47  | 0.53                                | 5                             | 7.03  | 0.47                                |
| 6                             | 5.26  | 0.77                                | 6                             | 6.82  | 0.72                                |
| 7                             | 5.05  | 1.01                                | 7                             | 6.61  | 0.98                                |
| 8                             | 4.85  | 1.25                                | 8                             | 6.40  | 1.23                                |
| 9                             | 4.64  | 1.49                                | 9                             | 6.18  | 1.48                                |
| 54.0                          | 924.43  | 1081.74                             | 58.0                          | 915.97  | 1091.74                             |
| 1                             | 4.22  | 1.98                                | 1                             | 5.76  | 1.99                                |
| 2                             | 4.01  | 2.23                                | 2                             | 5.54  | 2.25                                |
| 3                             | 3.80  | 2.47                                | 3                             | 5.33  | 2.50                                |
| 4                             | 3.59  | 2.72                                | 4                             | 5.11  | 2.76                                |
| 5                             | 3.38  | 2.96                                | 5                             | 4.90  | 3.02                                |
| 6                             | 3.17  | 3.21                                | 6                             | 4.68  | 3.27                                |
| 7                             | 2.96  | 3.47                                | 7                             | 4.47  | 3.53                                |
| 8                             | 2.75  | 3.71                                | 8                             | 4.25  | 3.79                                |
| 9                             | 2.54  | 3.96                                | 9                             | 4.04  | 4.05                                |
| 55.0                          | 922.33  | 1084.21                             | 59.0                          | 913.82  | 1094.31                             |
| 1                             | 2.12  | 4.45                                | 1                             | 3.60  | 4.57                                |
| 2                             | 1.91  | 4.70                                | 2                             | 3.38  | 4.83                                |
| 3                             | 1.70  | 4.95                                | 3                             | 3.17  | 5.09                                |
| 4                             | 1.49  | 5.20                                | 4                             | 2.95  | 5.35                                |
| 5                             | 1.28  | 5.45                                | 5                             | 2.73  | 5.61                                |
| 6                             | 1.06  | 5.70                                | 6                             | 2.51  | 5.87                                |
| 7                             | 0.85  | 5.95                                | 7                             | 2.30  | 6.13                                |
| 8                             | 0.64  | 6.20                                | 8                             | 2.08  | 6.39                                |
| 9                             | 0.43  | 6.45                                | 9                             | 1.86  | 6.65                                |

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| Grado real<br>papa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C) | Grado real<br>papa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C) |
|------------------------------|---|------------------------------------|------------------------------|---|------------------------------------|
| 60.0                         | 911.65  | 1096.91                            | 64.0                         | 902.68  | 1107.81                            |
| 1                            | 1.43  | 7.17                               | 1                            | 2.45  | 8.09                               |
| 2                            | 1.21  | 7.44                               | 2                            | 2.22  | 8.37                               |
| 3                            | 0.99  | 7.70                               | 3                            | 1.99  | 8.65                               |
| 4                            | 0.77  | 7.97                               | 4                            | 1.76  | 8.93                               |
| 5                            | 0.55  | 8.24                               | 5                            | 1.53  | 9.22                               |
| 6                            | 0.33  | 8.50                               | 6                            | 1.30  | 9.50                               |
| 7                            | 0.11  | 8.77                               | 7                            | 1.07  | 9.78                               |
| 8                            | 909.89  | 9.04                               | 8                            | 0.84  | 1110.07                            |
| 9                            | 9.66  | 9.85                               | 9                            | 0.61  | 0.35                               |
| 61.0                         | 909.44  | 1099.58                            | 65.0                         | 900.38  | 1110.64                            |
| 1                            | 9.22  | 9.85                               | 1                            | 0.15  | 0.92                               |
| 2                            | 9.00  | 1100.12                            | 2                            | 899.91  | 1.21                               |
| 3                            | 8.77  | 0.39                               | 3                            | 9.68  | 1.49                               |
| 4                            | 8.55  | 0.66                               | 4                            | 9.45  | 1.77                               |
| 5                            | 8.33  | 0.93                               | 5                            | 9.22  | 2.06                               |
| 6                            | 8.11  | 1.20                               | 6                            | 8.98  | 2.35                               |
| 7                            | 7.88  | 1.47                               | 7                            | 8.75  | 2.64                               |
| 8                            | 7.66  | 1.74                               | 8                            | 8.52  | 2.93                               |
| 9                            | 7.44  | 2.01                               | 9                            | 8.28  | 3.22                               |
| 62.0                         | 907.21  | 1102.28                            | 66.0                         | 898.06  | 1113.51                            |
| 1                            | 6.99  | 2.55                               | 1                            | 7.83  | 3.80                               |
| 2                            | 6.76  | 2.82                               | 2                            | 7.59  | 4.09                               |
| 3                            | 6.54  | 3.10                               | 3                            | 7.36  | 4.39                               |
| 4                            | 6.31  | 3.37                               | 4                            | 7.12  | 4.68                               |
| 5                            | 6.09  | 3.64                               | 5                            | 6.89  | 4.97                               |
| 6                            | 5.86  | 3.92                               | 6                            | 6.65  | 5.27                               |
| 7                            | 5.64  | 4.19                               | 7                            | 6.41  | 5.56                               |
| 8                            | 5.41  | 4.47                               | 8                            | 6.17  | 5.86                               |
| 9                            | 5.19  | 4.74                               | 9                            | 5.94  | 6.15                               |
| 63.0                         | 904.96  | 1105.02                            | 67.0                         | 895.70  | 1116.45                            |
| 1                            | 4.73  | 5.29                               | 1                            | 5.46  | 6.74                               |
| 2                            | 4.51  | 5.57                               | 2                            | 5.22  | 7.04                               |
| 3                            | 4.28  | 5.85                               | 3                            | 4.98  | 7.34                               |
| 4                            | 4.05  | 6.13                               | 4                            | 4.75  | 7.63                               |
| 5                            | 3.82  | 6.41                               | 5                            | 4.51  | 7.93                               |
| 6                            | 3.60  | 6.69                               | 6                            | 4.27  | 8.23                               |
| 7                            | 3.37  | 6.97                               | 7                            | 4.03  | 8.53                               |
| 8                            | 3.14  | 7.25                               | 8                            | 3.79  | 8.83                               |
| 9                            | 2.91  | 7.53                               | 9                            | 3.55  | 9.13                               |

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| Grado real<br>o aparente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C.) | Grado real<br>o aparente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C.) |
|--------------------------|---|-------------------------------------|--------------------------|---|-------------------------------------|
| 68.0                     | 993.31  | 1119.43                             | 72.0                     | 883.47  | 1131.90                             |
| 1                        | 3.07  | 9.73                                | 1                        | 3.22  | 2.22                                |
| 2                        | 2.83  | 1120.03                             | 2                        | 2.96  | 2.55                                |
| 3                        | 2.59  | 0.34                                | 3                        | 2.71  | 2.87                                |
| 4                        | 2.34  | 0.64                                | 4                        | 2.46  | 3.20                                |
| 5                        | 2.10  | 0.94                                | 5                        | 2.21  | 3.52                                |
| 6                        | 1.86  | 1.25                                | 6                        | 1.95  | 3.85                                |
| 7                        | 1.62  | 1.55                                | 7                        | 1.70  | 4.17                                |
| 8                        | 1.37  | 1.86                                | 8                        | 1.45  | 4.50                                |
| 9                        | 1.13  | 2.16                                | 9                        | 1.19  | 4.82                                |
| 69.0                     | 890.89  | 1122.47                             | 73.0                     | 880.94  | 1135.15                             |
| 1                        | 0.64  | 2.78                                | 1                        | 0.68  | 5.48                                |
| 2                        | 0.40  | 3.09                                | 2                        | 0.43  | 5.81                                |
| 3                        | 0.15  | 3.40                                | 3                        | 0.17  | 6.14                                |
| 4                        | 889.91  | 3.71                                | 4                        | 879.92  | 6.47                                |
| 5                        | 9.66  | 4.02                                | 5                        | 9.66  | 6.80                                |
| 6                        | 9.42  | 4.33                                | 6                        | 9.41  | 7.13                                |
| 7                        | 9.17  | 4.64                                | 7                        | 9.15  | 7.46                                |
| 8                        | 9.93  | 4.95                                | 8                        | 8.90  | 7.79                                |
| 9                        | 8.68  | 5.26                                | 9                        | 8.64  | 8.12                                |
| 70.0                     | 888.44  | 1125.57                             | 74.0                     | 878.38  | 1138.46                             |
| 1                        | 8.19  | 5.88                                | 1                        | 8.12  | 8.79                                |
| 2                        | 7.94  | 6.20                                | 2                        | 7.86  | 9.13                                |
| 3                        | 7.70  | 6.51                                | 3                        | 7.60  | 9.46                                |
| 4                        | 7.45  | 6.83                                | 4                        | 7.35  | 9.80                                |
| 5                        | 7.20  | 7.14                                | 5                        | 7.09  | 1140.14                             |
| 6                        | 6.96  | 7.46                                | 6                        | 6.83  | 0.47                                |
| 7                        | 6.71  | 7.77                                | 7                        | 6.57  | 0.81                                |
| 8                        | 6.46  | 8.09                                | 8                        | 6.31  | 1.15                                |
| 9                        | 6.21  | 8.40                                | 9                        | 6.05  | 1.49                                |
| 71.0                     | 885.96  | 1128.72                             | 75.0                     | 875.79  | 1141.83                             |
| 1                        | 5.71  | 9.03                                | 1                        | 5.53  | 2.17                                |
| 2                        | 5.46  | 9.35                                | 2                        | 5.27  | 2.51                                |
| 3                        | 5.21  | 9.67                                | 3                        | 5.00  | 2.86                                |
| 4                        | 4.96  | 9.98                                | 4                        | 4.74  | 3.20                                |
| 5                        | 4.71  | 1130.30                             | 5                        | 4.48  | 3.54                                |
| 6                        | 4.46  | 0.62                                | 6                        | 4.22  | 3.89                                |
| 7                        | 4.21  | 0.94                                | 7                        | 3.95  | 4.23                                |
| 8                        | 3.96  | 1.26                                | 8                        | 3.69  | 4.58                                |
| 9                        | 3.71  | 1.58                                | 9                        | 3.43  | 4.92                                |

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| Grado real<br>o apa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C.) | Grado real<br>o apa-<br>rente | Peso de<br>un litro<br>en el aire<br>(gramos) | Volumen<br>de un<br>kilo<br>(C. C.) |
|-------------------------------|---|-------------------------------------|-------------------------------|---|-------------------------------------|
| 76.0                          | 873.16  | 1145.27                             | 80.0                          | 862.33  | 1159.65                             |
| 1                             | 2.90  | 5.62                                | 1                             | 2.05  | 1160.02                             |
| 2                             | 2.63  | 5.07                                | 2                             | 1.77  | 0.40                                |
| 3                             | 2.37  | 4.32                                | 3                             | 1.50  | 0.77                                |
| 4                             | 2.10  | 3.67                                | 4                             | 1.22  | 1.15                                |
| 5                             | 1.83  | 3.02                                | 5                             | 0.94  | 1.52                                |
| 6                             | 1.57  | 2.37                                | 6                             | 0.66  | 1.90                                |
| 7                             | 1.30  | 1.72                                | 7                             | 0.42  | 2.27                                |
| 8                             | 1.03  | 1.07                                | 8                             | 0.10  | 2.65                                |
| 9                             | 0.76  | 0.42                                | 9                             | 859.82  | 3.03                                |
| 77.0                          | 870.50  | 1148.77                             | 81.0                          | 859.54  | 1163.41                             |
| 1                             | 0.23  | 9.12                                | 1                             | 9.26  | 3.79                                |
| 2                             | 869.96  | 9.47                                | 2                             | 8.97  | 4.18                                |
| 3                             | 9.69  | 9.83                                | 3                             | 8.69  | 4.56                                |
| 4                             | 9.43  | 1150.18                             | 4                             | 8.41  | 4.95                                |
| 5                             | 9.16  | 0.53                                | 5                             | 8.13  | 5.33                                |
| 6                             | 8.89  | 0.89                                | 6                             | 7.85  | 5.72                                |
| 7                             | 8.62  | 1.24                                | 7                             | 7.56  | 6.10                                |
| 8                             | 8.35  | 1.60                                | 8                             | 7.28  | 6.49                                |
| 9                             | 8.08  | 1.95                                | 9                             | 7.00  | 6.87                                |
| 78.0                          | 867.82  | 1152.31                             | 82.0                          | 856.71  | 1167.26                             |
| 1                             | 7.55  | 2.69                                | 1                             | 6.43  | 7.65                                |
| 2                             | 7.28  | 3.03                                | 2                             | 6.14  | 8.04                                |
| 3                             | 7.01  | 3.40                                | 3                             | 5.86  | 8.43                                |
| 4                             | 6.73  | 3.76                                | 4                             | 5.57  | 8.82                                |
| 5                             | 6.46  | 4.12                                | 5                             | 5.29  | 9.21                                |
| 6                             | 6.19  | 4.49                                | 6                             | 5.00  | 9.60                                |
| 7                             | 5.91  | 4.85                                | 7                             | 4.71  | 9.99                                |
| 8                             | 5.64  | 5.22                                | 8                             | 4.42  | 1170.39                             |
| 9                             | 5.36  | 5.58                                | 9                             | 4.13  | 0.78                                |
| 79.0                          | 865.09  | 1155.95                             | 83.0                          | 853.84  | 1171.18                             |
| 1                             | 4.81  | 6.32                                | 1                             | 3.55  | 1.58                                |
| 2                             | 4.54  | 6.69                                | 2                             | 3.26  | 1.98                                |
| 3                             | 4.26  | 7.06                                | 3                             | 2.97  | 2.38                                |
| 4                             | 3.99  | 7.43                                | 4                             | 2.68  | 2.78                                |
| 5                             | 3.71  | 7.80                                | 5                             | 2.38  | 3.18                                |
| 6                             | 3.44  | 8.17                                | 6                             | 2.09  | 3.58                                |
| 7                             | 3.16  | 8.54                                | 7                             | 1.80  | 3.98                                |
| 8                             | 2.89  | 8.91                                | 8                             | 1.51  | 4.38                                |
| 9                             | 2.61  | 9.28                                | 9                             | 1.21  | 4.78                                |

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|---------------------|---|-------------------------------------|-------------------------------|---|-------------------------------------|
| 84.0                | 850.93  | 1175.18                             | 88.0                          | 838.79  | 1192.19                             |
| 1                   | 0.64  | 5.59                                | 1                             | 8.47  | 2.64                                |
| 2                   | 0.34  | 6.00                                | 2                             | 8.16  | 3.09                                |
| 3                   | 0.05  | 6.41                                | 3                             | 7.84  | 3.55                                |
| 4                   | 849.75  | 6.82                                | 4                             | 7.52  | 4.00                                |
| 5                   | 9.45  | 7.23                                | 5                             | 7.20  | 4.46                                |
| 6                   | 9.16  | 7.64                                | 6                             | 6.88  | 4.91                                |
| 7                   | 8.86  | 8.05                                | 7                             | 5.56  | 5.37                                |
| 8                   | 8.56  | 8.46                                | 8                             | 6.24  | 5.82                                |
| 9                   | 8.26  | 8.87                                | 9                             | 5.92  | 6.28                                |
| 85.0                | 847.97  | 1179.29                             | 89.0                          | 835.60  | 1196.74                             |
| 1                   | 7.67  | 9.70                                | 1                             | 5.27  | 7.20                                |
| 2                   | 7.37  | 1180.12                             | 2                             | 4.95  | 7.66                                |
| 3                   | 7.07  | 0.53                                | 3                             | 4.63  | 8.13                                |
| 4                   | 6.77  | 0.95                                | 4                             | 4.30  | 8.59                                |
| 5                   | 6.47  | 1.37                                | 5                             | 3.98  | 9.06                                |
| 6                   | 6.17  | 1.79                                | 6                             | 3.65  | 9.53                                |
| 7                   | 5.87  | 2.21                                | 7                             | 3.32  | 1200.00                             |
| 8                   | 5.56  | 2.64                                | 8                             | 3.00  | 0.48                                |
| 9                   | 5.26  | 3.06                                | 9                             | 2.67  | 0.95                                |
| 86.0                | 844.96  | 1183.49                             | 90.0                          | 832.34  | 1201.43                             |
| 1                   | 4.66  | 3.91                                | 1                             | 2.01  | 1.91                                |
| 2                   | 4.35  | 4.34                                | 2                             | 1.68  | 2.39                                |
| 3                   | 4.05  | 4.77                                | 3                             | 1.35  | 2.87                                |
| 4                   | 3.75  | 5.20                                | 4                             | 1.01  | 3.36                                |
| 5                   | 3.44  | 5.63                                | 5                             | 0.68  | 3.84                                |
| 6                   | 3.14  | 6.06                                | 6                             | 0.35  | 4.33                                |
| 7                   | 2.83  | 6.50                                | 7                             | 0.01  | 4.81                                |
| 8                   | 2.52  | 6.93                                | 8                             | 829.68  | 5.30                                |
| 9                   | 2.21  | 7.36                                | 9                             | 9.34  | 5.78                                |
| 87.0                | 841.90  | 1187.79                             | 91.0                          | 829.00  | 1206.27                             |
| 1                   | 1.59  | 8.23                                | 1                             | 8.67  | 6.76                                |
| 2                   | 1.28  | 8.66                                | 2                             | 8.33  | 7.25                                |
| 3                   | 0.97  | 9.10                                | 3                             | 7.99  | 7.75                                |
| 4                   | 0.66  | 9.53                                | 4                             | 7.65  | 8.24                                |
| 5                   | 0.34  | 9.93                                | 5                             | 7.30  | 8.74                                |
| 6                   | 0.03  | 1190.41                             | 6                             | 6.96  | 9.24                                |
| 7                   | 839.72  | 0.85                                | 7                             | 6.62  | 9.75                                |
| 8                   | 9.41  | 1.30                                | 8                             | 6.27  | 1210.25                             |
| 9                   | 9.10  | 1.74                                | 9                             | 5.92  | 0.76                                |

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|-------------------------------|---|-------------------------------------|-------------------------------|---|-------------------------------------|
| 92.0                          | 825.58  | 1211.27                             | 96.0                          | 810.66  | 1233.56                             |
| 1                             | 5.23  | 1.78                                | 1                             | 810.26  | 4.18                                |
| 2                             | 4.88  | 2.38                                | 2                             | 809.85  | 4.80                                |
| 3                             | 4.53  | 2.81                                | 3                             | 809.44  | 5.43                                |
| 4                             | 4.17  | 3.33                                | 4                             | 809.02  | 6.06                                |
| 5                             | 3.82  | 3.85                                | 5                             | 808.61  | 6.69                                |
| 6                             | 3.47  | 4.37                                | 6                             | 808.19  | 7.33                                |
| 7                             | 3.11  | 4.90                                | 7                             | 807.78  | 7.97                                |
| 8                             | 2.76  | 5.42                                | 8                             | 807.36  | 8.62                                |
| 9                             | 2.40  | 5.95                                | 9                             | 806.93  | 9.27                                |
| 93.0                          | 822.05  | 1216.47                             | 97.0                          | 806.50  | 1239.93                             |
| 1                             | 1.69  | 7.00                                | 1                             | 6.07  | 1240.59                             |
| 2                             | 1.33  | 7.54                                | 2                             | 5.64  | 1.26                                |
| 3                             | 0.97  | 8.08                                | 3                             | 5.21  | 1.93                                |
| 4                             | 0.60  | 8.62                                | 4                             | 4.77  | 2.60                                |
| 5                             | 0.24  | 9.16                                | 5                             | 4.34  | 3.27                                |
| 6                             | 819.88  | 9.71                                | 6                             | 3.90  | 3.95                                |
| 7                             | 9.51  | 1220.25                             | 7                             | 3.46  | 4.63                                |
| 8                             | 9.14  | 0.80                                | 8                             | 3.01  | 5.32                                |
| 9                             | 8.77  | 1.35                                | 9                             | 2.56  | 6.01                                |
| 94.0                          | 818.40  | 1221.90                             | 98.0                          | 802.11  | 1246.71                             |
| 1                             | 8.02  | 2.45                                | 1                             | 1.66  | 7.41                                |
| 2                             | 7.65  | 3.01                                | 2                             | 1.20  | 8.12                                |
| 3                             | 7.27  | 3.57                                | 3                             | 0.75  | 8.83                                |
| 4                             | 6.90  | 4.14                                | 4                             | 0.29  | 9.55                                |
| 5                             | 6.52  | 4.70                                | 5                             | 799.82  | 1250.27                             |
| 6                             | 6.14  | 5.27                                | 6                             | 9.36  | 1.00                                |
| 7                             | 5.76  | 5.84                                | 7                             | 8.89  | 1.73                                |
| 8                             | 5.38  | 6.42                                | 8                             | 8.42  | 2.47                                |
| 9                             | 4.99  | 7.00                                | 9                             | 7.95  | 3.22                                |
| 95.0                          | 814.61  | 1227.58                             | 99.0                          | 797.47  | 1253.97                             |
| 1                             | 4.22  | 8.16                                | 1                             | 6.99  | 4.72                                |
| 2                             | 3.83  | 8.75                                | 2                             | 6.50  | 5.48                                |
| 3                             | 3.45  | 9.34                                | 3                             | 6.02  | 6.24                                |
| 4                             | 3.06  | 9.93                                | 4                             | 5.53  | 7.01                                |
| 5                             | 2.67  | 1230.52                             | 5                             | 5.04  | 7.78                                |
| 6                             | 2.27  | 1.12                                | 6                             | 4.55  | 8.56                                |
| 7                             | 1.87  | 1.72                                | 7                             | 4.05  | 9.35                                |
| 8                             | 1.46  | 2.33                                | 8                             | 3.55  | 1260.14                             |
| 9                             | 1.06  | 2.94                                | 9                             | 3.05  | 0.94                                |
|                               |   |                                     | 100.0                         | 792.55  | 1261.75                             |

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