

TABELA GRAU BABO

| °BABO | açúcar gramas / Litro | ALCOOL PROVÁVEL GL | açúcar A ADICIONAR gramas / Litro 11 GL |
|-------|--------------------------|-----------------------|--|
| 10 | 98 | 5,4 | 100 |
| 10,5 | 103 | 5,7 | 85 |
| 11 | 111 | 6,2 | 86 |
| 11,5 | 118 | 6,6 | 79 |
| 12 | 124 | 6,9 | 74 |
| 12,5 | 132 | 7,3 | 67 |
| 13 | 140 | 7,8 | 58 |
| 13,5 | 144 | 8 | 54 |
| 14 | 151 | 8,4 | 47 |
| 14,5 | 157 | 8,7 | 41 |
| 15 | 164 | 9,1 | 34 |
| 15,5 | 171 | 9,5 | 27 |
| 16 | 178 | 9,9 | 20 |
| 16,5 | 186 | 10,3 | 13 |
| 17 | 194 | 10,8 | 4 |
| 17,5 | 199 | 11 | 0 |
| 18 | 207 | 11,5 | 0 |
| 18,5 | 213 | 11,8 | 0 |
| 19 | 220 | 12,2 | 0 |
| 19,5 | 227 | 12,6 | 0 |
| 20 | 235 | 13 | 0 |
| 20,5 | 242 | 13,4 | 0 |
| 21 | 250 | 13,9 | 0 |
| 21,5 | 256 | 14,2 | 0 |
| 22 | 263 | 14,6 | 0 |

| Relative Apparent Density (20° C) | Degree Oechsle | Degree Baumé | Degree Brix | Refractometric Measure (in Percentage Weight of Sucrose) | Sugar Concentration (g/L) | Potential Alcohol (16.83 g of Sugar per Liter for 1% Alcohol) |
|-----------------------------------|----------------|--------------|-------------|--|---------------------------|---|
| 1.0371 | 37.1 | 5.2 | 9.1 | 10 | 82.3 | 4.9 |
| 1.0412 | 41.2 | 5.7 | 10.1 | 11 | 92.9 | 5.5 |
| 1.0454 | 45.4 | 6.3 | 11.1 | 12 | 103.6 | 6.2 |
| 1.0495 | 49.5 | 6.8 | 12.0 | 13 | 114.3 | 6.8 |
| 1.0538 | 53.8 | 7.4 | 13.0 | 14 | 125.1 | 7.4 |
| 1.0580 | 58.0 | 7.9 | 14.0 | 15 | 136.0 | 8.1 |
| 1.0623 | 62.3 | 8.5 | 15.0 | 16 | 147.0 | 8.7 |
| 1.0666 | 66.6 | 9.0 | 16.0 | 17 | 158.1 | 9.4 |
| 1.0710 | 71.0 | 9.6 | 17.0 | 18 | 169.3 | 10.1 |
| 1.0754 | 75.4 | 10.1 | 18.0 | 19 | 180.5 | 10.7 |
| 1.0798 | 79.8 | 10.7 | 19.0 | 20 | 191.9 | 11.4 |
| 1.0842 | 84.2 | 11.2 | 20.1 | 21 | 203.3 | 12.1 |
| 1.0886 | 88.6 | 11.8 | 21.1 | 22 | 214.8 | 12.8 |
| 1.0932 | 93.2 | 12.3 | 22.1 | 23 | 226.4 | 13.5 |
| 1.0978 | 97.8 | 12.9 | 23.2 | 24 | 238.2 | 14.2 |
| 1.1029 | 102.9 | 13.5 | 24.4 | 25 | 249.7 | 14.8 |
| 1.1075 | 107.5 | 14.0 | 25.5 | 26 | 261.1 | 15.5 |
| 1.1124 | 112.4 | 14.6 | 26.6 | 27 | 273.2 | 16.2 |
| 1.1170 | 117.0 | 15.1 | 27.7 | 28 | 284.6 | 16.9 |
| 1.1219 | 121.9 | 15.7 | 28.8 | 29 | 296.7 | 17.6 |
| 1.1268 | 126.8 | 16.2 | 29.9 | 30 | 308.8 | 18.4 |
| 1.1316 | 131.6 | 16.8 | 31.1 | 31 | 320.8 | 19.1 |
| 1.1365 | 136.5 | 17.3 | 32.2 | 32 | 332.9 | 19.8 |
| 1.1416 | 141.6 | 17.9 | 33.4 | 33 | 345.7 | 20.5 |
| 1.1465 | 146.5 | 18.4 | 34.5 | 34 | 357.7 | 21.3 |

| d ₁₅ ¹⁵ Oe. | d ₂₀ ²⁰ | Bx | BRIX | BABO | RIFRATTOMETRO 20° C | ZUCCHERO PROBÁVEL kg/t | ALCOLE PROBÁVEL 1/11 (%v/v) | ALCOLE PROBÁVEL 1/11 (%v/v) | |
|-----------------------------------|-------------------------------|------|-------|-------|---------------------|---------------------------|--------------------------------|--------------------------------|-----|
| 1,040 | 1,0396 | 5,55 | 9,91 | 8,42 | 9,80 | 7,65 | 7,95 | 4,8 | 4,5 |
| 41 | 406 | 5,88 | 10,15 | 8,63 | 10,00 | 7,90 | 8,20 | 4,9 | 4,7 |
| 42 | 416 | 5,82 | 10,39 | 8,83 | 10,20 | 8,10 | 8,45 | 5,1 | 4,8 |
| 43 | 426 | 5,95 | 10,63 | 9,04 | 10,45 | 8,35 | 8,70 | 5,2 | 5,0 |
| 44 | 436 | 6,08 | 10,87 | 9,24 | 10,70 | 8,60 | 8,95 | 5,4 | 5,1 |
| 45 | 446 | 6,21 | 11,11 | 9,44 | 10,95 | 8,80 | 9,20 | 5,5 | 5,3 |
| 46 | 456 | 6,35 | 11,35 | 9,65 | 11,15 | 9,05 | 9,45 | 5,7 | 5,4 |
| 47 | 466 | 6,48 | 11,59 | 9,85 | 11,40 | 9,30 | 9,70 | 5,8 | 5,6 |
| 48 | 476 | 6,61 | 11,83 | 10,06 | 11,65 | 9,50 | 10,00 | 6,0 | 5,7 |
| 49 | 486 | 6,74 | 12,07 | 10,26 | 11,90 | 9,75 | 10,25 | 6,1 | 5,8 |
| 1,050 | 1,0496 | 6,87 | 12,31 | 10,46 | 12,10 | 10,00 | 10,50 | 6,3 | 6,0 |
| 51 | 506 | 7,00 | 12,54 | 10,66 | 12,35 | 10,20 | 10,75 | 6,4 | 6,1 |
| 52 | 516 | 7,13 | 12,78 | 10,86 | 12,60 | 10,45 | 11,00 | 6,6 | 6,3 |
| 53 | 526 | 7,26 | 13,02 | 11,07 | 12,85 | 10,70 | 11,25 | 6,8 | 6,4 |
| 54 | 536 | 7,39 | 13,25 | 11,26 | 13,05 | 10,90 | 11,50 | 6,9 | 6,6 |
| 55 | 546 | 7,52 | 13,49 | 11,47 | 13,30 | 11,15 | 11,75 | 7,1 | 6,7 |
| 56 | 556 | 7,65 | 13,73 | 11,67 | 13,55 | 11,35 | 12,00 | 7,2 | 6,9 |
| 57 | 566 | 7,78 | 13,96 | 11,87 | 13,75 | 11,60 | 12,25 | 7,4 | 7,0 |
| 58 | 576 | 7,91 | 14,20 | 12,07 | 14,00 | 11,85 | 12,50 | 7,5 | 7,2 |
| 59 | 586 | 8,04 | 14,43 | 12,27 | 14,25 | 12,05 | 12,75 | 7,7 | 7,3 |
| 1,060 | 1,0596 | 8,17 | 14,66 | 12,46 | 14,50 | 12,30 | 13,05 | 7,8 | 7,4 |
| 61 | 606 | 8,30 | 14,90 | 12,66 | 14,70 | 12,50 | 13,30 | 8,0 | 7,6 |
| 62 | 616 | 8,43 | 15,13 | 12,86 | 14,95 | 12,75 | 13,55 | 8,1 | 7,7 |
| 63 | 626 | 8,55 | 15,36 | 13,06 | 15,15 | 12,95 | 13,80 | 8,3 | 7,9 |
| 64 | 636 | 8,68 | 15,59 | 13,26 | 15,40 | 13,20 | 14,05 | 8,4 | 8,0 |
| 65 | 646 | 8,81 | 15,83 | 13,46 | 15,65 | 13,40 | 14,30 | 8,6 | 8,2 |
| 66 | 655 | 8,94 | 16,04 | 13,63 | 15,85 | 13,65 | 14,55 | 8,7 | 8,3 |
| 67 | 665 | 9,06 | 16,27 | 13,83 | 16,10 | 13,90 | 14,80 | 8,9 | 8,5 |
| 68 | 675 | 9,19 | 16,50 | 14,02 | 16,35 | 14,10 | 15,05 | 9,0 | 8,6 |
| 69 | 685 | 9,32 | 16,73 | 14,22 | 16,55 | 14,30 | 15,30 | 9,2 | 8,7 |

Valori densimetrici e rifrattometrici dei mosti, contenuto probabile in zucchero e gradazione alcolometrica ottenibile (S. I. M. - Jaumes).

| d ₁₅ ¹⁵ Oe. | d ₂₀ ²⁰ | Bx | BRIX | BABO | RIFRATTOMETRO 20° C | ZUCCHERO PROBÁVEL kg/t | ALCOLE PROBÁVEL 1/11 (%v/v) | ALCOLE PROBÁVEL 1/11 (%v/v) | |
|-----------------------------------|-------------------------------|-------|-------|-------|---------------------|---------------------------|--------------------------------|--------------------------------|------|
| 1,070 | 1,0695 | 9,44 | 16,96 | 14,42 | 16,80 | 14,55 | 15,55 | 9,3 | 8,9 |
| 71 | 705 | 9,57 | 17,19 | 14,61 | 17,00 | 14,75 | 15,80 | 9,5 | 9,0 |
| 72 | 715 | 9,69 | 17,42 | 14,81 | 17,25 | 15,00 | 16,10 | 9,6 | 9,2 |
| 73 | 725 | 9,82 | 17,65 | 15,00 | 17,45 | 15,20 | 16,35 | 9,8 | 9,3 |
| 74 | 735 | 9,94 | 17,89 | 15,20 | 17,70 | 15,45 | 16,60 | 9,9 | 9,5 |
| 75 | 745 | 10,07 | 18,10 | 15,38 | 17,90 | 15,65 | 16,85 | 10,1 | 9,6 |
| 76 | 754 | 10,19 | 18,31 | 15,56 | 18,15 | 15,90 | 17,10 | 10,3 | 9,8 |
| 77 | 764 | 10,32 | 18,54 | 15,76 | 18,35 | 16,10 | 17,35 | 10,4 | 9,9 |
| 78 | 774 | 10,44 | 18,75 | 15,95 | 18,60 | 16,35 | 17,60 | 10,6 | 10,1 |
| 79 | 784 | 10,57 | 18,99 | 16,14 | 18,80 | 16,55 | 17,85 | 10,7 | 10,2 |
| 1,080 | 1,0794 | 10,69 | 19,22 | 16,34 | 19,05 | 16,75 | 18,10 | 10,9 | 10,4 |
| 81 | 804 | 10,81 | 19,44 | 16,52 | 19,25 | 17,00 | 18,35 | 11,0 | 10,5 |
| 82 | 814 | 10,94 | 19,67 | 16,72 | 19,50 | 17,20 | 18,60 | 11,2 | 10,6 |
| 83 | 824 | 11,06 | 19,89 | 16,91 | 19,70 | 17,40 | 18,85 | 11,3 | 10,8 |
| 84 | 834 | 11,18 | 20,12 | 17,10 | 19,95 | 17,65 | 19,10 | 11,5 | 10,9 |
| 85 | 844 | 11,31 | 20,34 | 17,29 | 20,15 | 17,85 | 19,40 | 11,6 | 11,1 |
| 86 | 854 | 11,43 | 20,57 | 17,49 | 20,40 | 18,10 | 19,65 | 11,8 | 11,2 |
| 87 | 864 | 11,55 | 20,79 | 17,67 | 20,60 | 18,30 | 19,90 | 11,9 | 11,4 |
| 88 | 874 | 11,67 | 21,02 | 17,87 | 20,85 | 18,50 | 20,15 | 12,1 | 11,5 |
| 89 | 884 | 11,79 | 21,24 | 18,05 | 21,05 | 18,75 | 20,40 | 12,2 | 11,7 |
| 1,090 | 1,0894 | 11,92 | 21,46 | 18,24 | 21,25 | 18,95 | 20,65 | 12,4 | 11,8 |
| 91 | 903 | 12,04 | 21,68 | 18,41 | 21,50 | 19,15 | 20,90 | 12,5 | 11,9 |
| 92 | 913 | 12,16 | 21,88 | 18,60 | 21,70 | 19,35 | 21,15 | 12,7 | 12,1 |
| 93 | 923 | 12,28 | 22,10 | 18,78 | 21,95 | 19,60 | 21,40 | 12,8 | 12,2 |
| 94 | 933 | 12,40 | 22,33 | 18,98 | 22,45 | 19,80 | 21,65 | 13,0 | 12,4 |
| 95 | 943 | 12,52 | 22,55 | 19,17 | 22,35 | 20,00 | 21,90 | 13,2 | 12,5 |
| 96 | 953 | 12,64 | 22,77 | 19,35 | 22,55 | 20,20 | 22,10 | 13,3 | 12,6 |
| 97 | 963 | 12,76 | 22,99 | 19,54 | 22,75 | 20,40 | 22,35 | 13,4 | 12,8 |
| 98 | 973 | 12,88 | 23,21 | 19,73 | 22,95 | 20,60 | 22,60 | 13,5 | 12,9 |
| 99 | 983 | 13,00 | 23,43 | 19,92 | 23,20 | 20,80 | 22,85 | 13,7 | 13,1 |

Valori densimetrici e rifrattometrici dei mosti, contenuto probabile in zucchero e gradazione alcolometrica ottenibile (S. I. M. - Jaumes).

| d ₁₅ ¹⁵ Oe. | d ₂₀ ²⁰ | Bx | BRIX | BABO | RIFRATTOMETRO 20° C | ZUCCHERO PROBÁVEL kg/t | ALCOLE PROBÁVEL 1/11 (%v/v) | ALCOLE PROBÁVEL 1/11 (%v/v) | |
|-----------------------------------|-------------------------------|-------|-------|-------|---------------------|---------------------------|--------------------------------|--------------------------------|------|
| 1,100 | 1,0993 | 13,12 | 23,65 | 20,10 | 23,40 | 21,00 | 23,10 | 13,9 | 13,2 |
| 101 | 1003 | 13,24 | 23,87 | 20,29 | 23,60 | 21,20 | 23,35 | 14,0 | 13,3 |
| 102 | 1013 | 13,36 | 24,08 | 20,47 | 23,80 | 21,40 | 23,60 | 14,2 | 13,5 |
| 103 | 1023 | 13,48 | 24,30 | 20,65 | 24,00 | 21,60 | 23,85 | 14,3 | 13,6 |
| 104 | 1033 | 13,60 | 24,52 | 20,84 | 24,25 | 21,80 | 24,10 | 14,4 | 13,8 |
| 105 | 1043 | 13,71 | 24,74 | 21,03 | 24,45 | 22,00 | 24,35 | 14,6 | 13,9 |
| 106 | 1052 | 13,83 | 24,93 | 21,19 | 24,65 | 22,20 | 24,55 | 14,7 | 14,0 |
| 107 | 1062 | 13,95 | 25,15 | 21,38 | 24,85 | 22,40 | 24,80 | 14,9 | 14,2 |
| 108 | 1072 | 14,07 | 25,37 | 21,56 | 25,10 | 22,60 | 25,05 | 15,0 | 14,3 |
| 109 | 1082 | 14,19 | 25,58 | 21,74 | 25,30 | 22,80 | 25,30 | 15,2 | 14,5 |
| 1,110 | 1,1092 | 14,30 | 25,80 | 21,93 | 25,50 | 23,00 | 25,55 | 15,3 | 14,6 |
| 111 | 1102 | 14,42 | 26,01 | 22,11 | 25,70 | 23,20 | 25,80 | 15,5 | 14,7 |
| 112 | 1112 | 14,54 | 26,23 | 22,30 | 25,95 | 23,40 | 26,05 | 15,6 | 14,9 |
| 113 | 1122 | 14,65 | 26,44 | 22,47 | 26,15 | 23,60 | 26,30 | 15,8 | 15,0 |
| 114 | 1132 | 14,77 | 26,66 | 22,66 | 26,35 | 23,80 | 26,55 | 15,9 | 15,2 |
| 115 | 1142 | 14,89 | 26,87 | 22,84 | 26,55 | 24,00 | 26,80 | 16,1 | 15,3 |
| 116 | 1151 | 15,00 | 27,06 | 23,00 | 26,75 | 24,20 | 27,00 | 16,2 | 15,4 |
| 117 | 1161 | 15,12 | 27,28 | 23,19 | 26,95 | 24,40 | 27,25 | 16,4 | 15,6 |
| 118 | 1171 | 15,23 | 27,49 | 23,37 | 27,20 | 24,60 | 27,50 | 16,5 | 15,7 |
| 119 | 1181 | 15,35 | 27,70 | 23,54 | 27,40 | 24,80 | 27,75 | 16,7 | 15,9 |
| 1,120 | 1,1191 | 15,45 | 27,92 | 23,73 | 27,60 | 25,00 | 28,00 | 16,8 | 16,0 |
| 121 | 1201 | 15,58 | 28,13 | 23,91 | 27,80 | 25,20 | 28,25 | 16,9 | 16,1 |
| 122 | 1211 | 15,69 | 28,34 | 24,09 | 28,00 | 25,40 | 28,50 | 17,1 | 16,3 |
| 123 | 1221 | 15,81 | 28,55 | 24,27 | 28,20 | 25,60 | 28,75 | 17,2 | 16,4 |
| 124 | 1231 | 15,92 | 28,76 | 24,45 | 28,45 | 25,80 | 29,00 | 17,4 | 16,6 |
| 125 | 1241 | 16,04 | 28,97 | 24,62 | 28,65 | 25,95 | 29,20 | 17,5 | 16,7 |
| 126 | 1251 | 16,15 | 29,19 | 24,81 | 28,85 | 26,15 | 29,45 | 17,7 | 16,8 |
| 127 | 1261 | 16,26 | 29,40 | 24,99 | 29,05 | 26,35 | 29,70 | 17,8 | 17,0 |
| 128 | 1271 | 16,38 | 29,61 | 25,17 | 29,20 | 26,55 | 29,95 | 18,0 | 17,1 |