

Table 2: Extended double-salt deacidification with *Neoantacid* and *Malicid*

Determination of the *Malicid* quantity, necessary for the treatment of the partial quantity:

1. The value of the total acid of the must/juice, young wine or wine must be known.
2. The tartaric acid content must be measured in advance and must be equally known.
3. Determine the aimed at final value of total acid.
4. The table is divided into blocks according to the, in the individual case, measured total acid.
First read the determined value of total acid from the first vertical line, second read the measured appertaining tartaric acid value from the second vertical line.
5. Read the total acid value aimed at from the table boxhead (blue).
6. Find the point of intersection and read the value for the necessary *Malicid* quantity.

The indications for the *Malicid* quantity (kg) refer to 1.000 litres.

The boxes marked “—”, indicate that with regard to these acid ratios, a *Malicid* deacidification is not necessary.

| total acidity g/L | tartaric acid g/L | targeted final value total acidity (g/L) | | | | | | | | | | |
|----------------------|----------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 10,0 | 9,5 | 9,0 | 8,5 | 8,0 | 7,5 | 7,0 | 6,5 | 6,0 | 5,5 | 5,0 |
| 8,0 | 1,5 | — | — | — | — | — | — | 0,425 | 1,062 | 1,700 | 2,337 | 2,975 |
| | 2,0 | — | — | — | — | — | — | — | — | 0,566 | 1,133 | 1,700 |
| | 2,5 | — | — | — | — | — | — | — | — | — | — | 0,425 |
| | 3,0 | — | — | — | — | — | — | — | — | — | — | — |
| | 3,5 | — | — | — | — | — | — | — | — | — | — | — |
| 8,5 | 1,5 | — | — | — | — | — | 0,459 | 1,112 | 1,766 | 2,419 | 3,074 | 3,726 |
| | 2,0 | — | — | — | — | — | — | 0,068 | 0,615 | 1,243 | 1,831 | 2,419 |
| | 2,5 | — | — | — | — | — | — | — | — | 0,066 | 0,981 | 1,112 |
| | 3,0 | — | — | — | — | — | — | — | — | — | — | — |
| | 3,5 | — | — | — | — | — | — | — | — | — | — | — |
| 9,0 | 1,5 | — | — | — | — | 0,486 | 1,154 | 1,822 | 2,489 | 3,157 | 3,825 | 4,493 |
| | 2,0 | — | — | — | — | — | 0,122 | 0,729 | 1,226 | 1,943 | 2,550 | 3,157 |
| | 2,5 | — | — | — | — | — | — | — | 0,182 | 0,729 | 1,275 | 1,821 |
| | 3,0 | — | — | — | — | — | — | — | — | — | — | 0,486 |
| | 3,5 | — | — | — | — | — | — | — | — | — | — | — |
| 9,5 | 1,5 | — | — | — | 0,510 | 1,190 | 1,870 | 2,550 | 3,230 | 3,910 | 4,590 | 5,270 |
| | 2,0 | — | — | — | — | 0,170 | 0,794 | 1,416 | 2,040 | 2,664 | 3,286 | 3,910 |
| | 2,5 | — | — | — | — | — | — | 0,284 | 0,850 | 1,416 | 1,984 | 2,550 |
| | 3,0 | — | — | — | — | — | — | — | — | 0,170 | 0,680 | 1,190 |
| | 3,5 | — | — | — | — | — | — | — | — | — | — | — |
| 10,0 | 2,0 | — | — | — | 0,213 | 0,850 | 1,488 | 2,125 | 2,763 | 3,400 | 4,037 | 4,675 |
| | 2,5 | — | — | — | — | — | 0,372 | 0,956 | 1,541 | 2,125 | 2,709 | 3,294 |
| | 3,0 | — | — | — | — | — | — | — | 0,319 | 0,850 | 1,381 | 1,913 |
| | 3,5 | — | — | — | — | — | — | — | — | — | 0,053 | 0,531 |
| | 4,0 | — | — | — | — | — | — | — | — | — | — | — |
| | 4,5 | — | — | — | — | — | — | — | — | — | — | — |
| 10,5 | 2,0 | — | — | 0,250 | 0,900 | 1,550 | 2,200 | 2,850 | 3,500 | 4,150 | 4,800 | 5,450 |
| | 2,5 | — | — | — | — | 0,450 | 1,050 | 1,650 | 2,250 | 2,850 | 3,450 | 4,050 |
| | 3,0 | — | — | — | — | — | — | 0,450 | 1,000 | 1,550 | 2,100 | 2,650 |
| | 3,5 | — | — | — | — | — | — | — | — | 0,250 | 0,750 | 1,250 |
| | 4,0 | — | — | — | — | — | — | — | — | — | — | — |
| | 4,5 | — | — | — | — | — | — | — | — | — | — | — |
| 11,0 | 2,0 | — | 0,283 | 0,944 | 1,606 | 2,267 | 2,928 | 3,589 | 4,250 | 4,911 | 5,572 | 6,233 |
| | 2,5 | — | — | — | 0,519 | 1,133 | 1,747 | 2,361 | 2,975 | 3,589 | 4,203 | 4,817 |
| | 3,0 | — | — | — | — | — | 0,567 | 1,133 | 1,700 | 2,267 | 2,833 | 3,400 |
| | 3,5 | — | — | — | — | — | — | — | 0,425 | 0,944 | 1,464 | 1,983 |
| | 4,0 | — | — | — | — | — | — | — | — | — | 0,094 | 0,567 |
| | 4,5 | — | — | — | — | — | — | — | — | — | — | — |

| total acidity g/L | tartaric acid g/L | targeted final value total acidity (g/L) | | | | | | | | | | |
|----------------------|----------------------|--|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| | | 10,0 | 9,5 | 9,0 | 8,5 | 8,0 | 7,5 | 7,0 | 6,5 | 6,0 | 5,5 | 5,0 |
| 11,5 | 2,0 | 0,313 | 0,984 | 1,655 | 2,326 | 2,997 | 3,668 | 4,339 | 5,011 | 5,682 | 6,353 | 7,024 |
| | 2,5 | - | - | 0,582 | 1,208 | 1,834 | 2,461 | 3,087 | 3,713 | 4,339 | 4,966 | 5,592 |
| | 3,0 | - | - | - | 0,089 | 0,671 | 1,253 | 1,834 | 2,416 | 2,997 | 3,579 | 4,161 |
| | 3,5 | - | - | - | - | - | 0,045 | 0,582 | 1,118 | 1,655 | 2,192 | 2,729 |
| | 4,0 | - | - | - | - | - | - | - | - | 0,313 | 0,805 | 1,297 |
| | 4,5 | - | - | - | - | - | - | - | - | - | - | - |
| | 5,0 | - | - | - | - | - | - | - | - | - | - | - |
| 12,0 | 2,0 | 1,020 | 1,700 | 2,380 | 3,060 | 3,740 | 4,420 | 5,100 | 5,780 | 6,460 | 7,140 | 7,820 |
| | 2,5 | - | 0,638 | 1,275 | 1,913 | 2,550 | 3,188 | 3,825 | 4,463 | 5,100 | 5,738 | 6,375 |
| | 3,0 | - | - | 0,170 | 0,765 | 1,360 | 1,955 | 2,550 | 3,145 | 3,740 | 4,335 | 4,930 |
| | 3,5 | - | - | - | - | 0,170 | 0,723 | 1,275 | 1,827 | 2,380 | 2,933 | 3,485 |
| | 4,0 | - | - | - | - | - | - | - | 0,510 | 1,020 | 1,530 | 2,040 |
| | 4,5 | - | - | - | - | - | - | - | - | - | 0,127 | 0,595 |
| | 5,0 | - | - | - | - | - | - | - | - | - | - | - |
| 12,5 | 2,0 | 1,740 | 2,429 | 3,117 | 3,805 | 4,493 | 5,181 | 5,869 | 6,557 | 7,245 | 7,933 | 8,621 |
| | 2,5 | 0,688 | 1,336 | 1,983 | 2,631 | 3,279 | 3,926 | 4,574 | 5,221 | 5,869 | 6,517 | 7,164 |
| | 3,0 | - | 0,243 | 0,850 | 1,457 | 2,064 | 2,671 | 3,279 | 3,886 | 4,493 | 5,100 | 5,707 |
| | 3,5 | - | - | - | 0,283 | 0,850 | 1,417 | 1,983 | 2,550 | 3,117 | 3,683 | 4,250 |
| | 4,0 | - | - | - | - | - | 0,162 | 0,688 | 1,214 | 1,740 | 2,267 | 2,793 |
| | 4,5 | - | - | - | - | - | - | - | - | 0,364 | 0,850 | 1,336 |
| | 5,0 | - | - | - | - | - | - | - | - | - | - | - |
| 13,0 | 2,0 | 2,473 | 3,168 | 3,864 | 4,559 | 5,255 | 5,950 | 6,645 | 7,341 | 8,036 | 8,732 | 9,427 |
| | 2,5 | 1,391 | 2,048 | 2,705 | 3,361 | 4,018 | 4,675 | 5,332 | 5,989 | 6,645 | 7,302 | 7,959 |
| | 3,0 | 0,309 | 0,927 | 1,545 | 2,164 | 2,782 | 3,400 | 4,018 | 4,636 | 5,255 | 5,873 | 6,491 |
| | 3,5 | - | - | 0,386 | 0,966 | 1,545 | 2,125 | 2,705 | 3,284 | 3,864 | 4,443 | 5,023 |
| | 4,0 | - | - | - | - | 0,309 | 0,850 | 1,391 | 1,932 | 2,473 | 3,014 | 3,555 |
| | 4,5 | - | - | - | - | - | - | 0,077 | 0,580 | 1,082 | 1,584 | 2,086 |
| | 5,0 | - | - | - | - | - | - | - | - | - | 0,155 | 0,618 |
| 13,5 | 2,0 | 3,215 | 3,917 | 4,620 | 5,322 | 6,024 | 6,726 | 7,428 | 8,130 | 8,833 | 9,535 | 10,237 |
| | 2,5 | 2,107 | 2,772 | 3,437 | 4,102 | 4,767 | 5,433 | 6,098 | 6,763 | 7,428 | 8,093 | 8,759 |
| | 3,0 | 0,998 | 1,626 | 2,254 | 2,883 | 3,511 | 4,139 | 4,767 | 5,396 | 6,024 | 6,652 | 7,280 |
| | 3,5 | - | 0,480 | 1,072 | 1,663 | 2,254 | 2,846 | 3,437 | 4,028 | 4,620 | 5,211 | 5,802 |
| | 4,0 | - | - | - | 0,443 | 0,998 | 1,552 | 2,107 | 2,661 | 3,215 | 3,770 | 4,324 |
| | 4,5 | - | - | - | - | - | 0,259 | 0,776 | 1,293 | 1,811 | 2,328 | 2,846 |
| | 5,0 | - | - | - | - | - | - | - | - | 0,407 | 0,887 | 1,367 |
| 14,0 | 2,0 | 3,967 | 4,675 | 5,383 | 6,092 | 6,800 | 7,508 | 8,217 | 8,925 | 9,633 | 10,342 | 11,050 |
| | 2,5 | 2,833 | 3,506 | 4,179 | 4,852 | 5,525 | 6,198 | 6,871 | 7,544 | 8,217 | 8,890 | 9,563 |
| | 3,0 | 1,700 | 2,338 | 2,975 | 3,613 | 4,250 | 4,888 | 5,525 | 6,163 | 6,800 | 7,438 | 8,075 |
| | 3,5 | 0,567 | 1,169 | 1,771 | 2,373 | 2,975 | 3,577 | 4,179 | 4,781 | 5,383 | 5,985 | 6,588 |
| | 4,0 | - | - | 0,567 | 1,133 | 1,700 | 2,267 | 2,833 | 3,400 | 3,967 | 4,533 | 5,100 |
| | 4,5 | - | - | - | - | 0,425 | 0,956 | 1,488 | 2,019 | 2,550 | 3,081 | 3,613 |
| | 5,0 | - | - | - | - | - | - | 0,142 | 0,638 | 1,133 | 1,629 | 2,125 |
| 14,5 | 2,0 | 4,726 | 5,440 | 6,154 | 6,868 | 7,582 | 8,296 | 9,010 | 9,724 | 10,438 | 11,152 | 11,866 |
| | 2,5 | 3,570 | 4,250 | 4,930 | 5,610 | 6,290 | 6,970 | 7,650 | 8,330 | 9,010 | 9,690 | 10,370 |
| | 3,0 | 2,414 | 3,060 | 3,706 | 4,352 | 4,998 | 5,644 | 6,290 | 6,936 | 7,582 | 8,228 | 8,874 |
| | 3,5 | 1,258 | 1,870 | 2,482 | 3,094 | 3,706 | 4,318 | 4,930 | 5,542 | 6,154 | 6,766 | 7,378 |
| | 4,0 | 0,102 | 0,680 | 1,258 | 1,836 | 2,414 | 2,992 | 3,570 | 4,148 | 4,726 | 5,304 | 5,882 |
| | 4,5 | - | - | 0,034 | 0,578 | 1,122 | 1,666 | 2,210 | 2,754 | 3,298 | 3,842 | 4,386 |
| | 5,0 | - | - | - | - | - | 0,340 | 0,850 | 1,360 | 1,870 | 2,380 | 2,890 |
| 5,5 | - | - | - | - | - | - | - | - | 0,442 | 0,918 | 1,394 | |
| 6,0 | - | - | - | - | - | - | - | - | - | - | - | |

| total acidity g/L | tartaric acid g/L | targeted final value total acidity (g/L) | | | | | | | | | | |
|----------------------|----------------------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 10,0 | 9,5 | 9,0 | 8,5 | 8,0 | 7,5 | 7,0 | 6,5 | 6,0 | 5,5 | 5,0 |
| 15,0 | 2,0 | 5,492 | 6,212 | 6,931 | 7,650 | 8,369 | 9,088 | 9,808 | 10,527 | 11,246 | 11,965 | 12,685 |
| | 2,5 | 4,315 | 5,002 | 5,688 | 6,375 | 7,062 | 7,748 | 8,435 | 9,121 | 9,808 | 10,494 | 11,181 |
| | 3,0 | 3,138 | 3,792 | 4,446 | 5,100 | 5,754 | 6,408 | 7,062 | 7,715 | 8,369 | 9,023 | 9,677 |
| | 3,5 | 1,962 | 2,583 | 3,204 | 3,825 | 4,446 | 5,067 | 5,688 | 6,310 | 6,931 | 7,552 | 8,173 |
| | 4,0 | 0,785 | 1,373 | 1,962 | 2,550 | 3,138 | 3,727 | 4,315 | 4,904 | 5,492 | 6,081 | 6,669 |
| | 4,5 | – | 0,163 | 0,719 | 1,275 | 1,831 | 2,387 | 2,942 | 3,498 | 4,054 | 4,610 | 5,165 |
| | 5,0 | – | – | – | – | 0,523 | 1,046 | 1,569 | 2,092 | 2,615 | 3,138 | 3,662 |
| | 5,5 | – | – | – | – | – | – | 0,196 | 0,687 | 1,117 | 1,667 | 2,158 |
| | 6,0 | – | – | – | – | – | – | – | – | – | 0,196 | 0,654 |
| 6,5 | – | – | – | – | – | – | – | – | – | – | – | |
| 15,5 | 2,0 | 6,265 | 6,989 | 7,713 | 8,437 | 9,161 | 9,885 | 10,609 | 11,333 | 12,057 | 12,781 | 13,506 |
| | 2,5 | 5,069 | 5,761 | 6,454 | 7,146 | 7,839 | 8,531 | 9,224 | 9,917 | 10,609 | 11,302 | 11,994 |
| | 3,0 | 3,872 | 4,533 | 5,194 | 5,856 | 6,517 | 7,178 | 7,839 | 8,500 | 9,161 | 9,822 | 10,483 |
| | 3,5 | 2,676 | 3,306 | 3,935 | 4,565 | 5,194 | 5,824 | 6,454 | 7,083 | 7,713 | 8,343 | 8,972 |
| | 4,0 | 1,480 | 2,078 | 2,676 | 3,274 | 3,872 | 4,470 | 5,069 | 5,667 | 6,265 | 6,863 | 7,461 |
| | 4,5 | 0,283 | 0,850 | 1,417 | 1,983 | 2,550 | 3,117 | 3,683 | 4,250 | 4,817 | 5,383 | 5,950 |
| | 5,0 | – | – | 0,157 | 0,693 | 1,228 | 1,763 | 2,298 | 2,833 | 3,369 | 3,904 | 4,439 |
| | 5,5 | – | – | – | – | – | 0,409 | 0,913 | 1,417 | 1,920 | 2,424 | 2,928 |
| | 6,0 | – | – | – | – | – | – | – | – | 0,472 | 0,944 | 1,417 |
| 6,5 | – | – | – | – | – | – | – | – | – | – | – | |
| 16,0 | 2,0 | 7,043 | 7,771 | 8,500 | 9,229 | 9,957 | 10,686 | 11,414 | 12,143 | 12,871 | 13,600 | 14,329 |
| | 2,5 | 5,829 | 6,527 | 7,225 | 7,923 | 8,621 | 9,320 | 10,018 | 10,716 | 11,414 | 12,113 | 12,811 |
| | 3,0 | 4,614 | 5,282 | 5,950 | 6,618 | 7,286 | 7,954 | 8,621 | 9,289 | 9,957 | 10,625 | 11,293 |
| | 3,5 | 3,400 | 4,037 | 4,675 | 5,313 | 5,950 | 6,588 | 7,225 | 7,863 | 8,500 | 9,137 | 9,775 |
| | 4,0 | 2,186 | 2,793 | 3,400 | 4,007 | 4,614 | 5,221 | 5,829 | 6,436 | 7,043 | 7,650 | 8,257 |
| | 4,5 | 0,971 | 1,548 | 2,125 | 2,702 | 3,279 | 3,855 | 4,432 | 5,009 | 5,586 | 6,163 | 6,739 |
| | 5,0 | – | 0,304 | 0,850 | 1,396 | 1,943 | 2,489 | 3,036 | 3,582 | 4,129 | 4,675 | 5,221 |
| | 5,5 | – | – | – | 0,091 | 0,607 | 1,123 | 1,639 | 2,155 | 2,671 | 3,188 | 3,704 |
| | 6,0 | – | – | – | – | – | – | 0,243 | 0,729 | 1,214 | 1,700 | 2,186 |
| 6,5 | – | – | – | – | – | – | – | – | – | 0,213 | 0,668 | |
| 16,5 | 2,0 | 7,826 | 8,559 | 9,291 | 10,024 | 10,757 | 11,490 | 12,222 | 12,955 | 13,688 | 14,421 | 15,153 |
| | 2,5 | 6,595 | 7,298 | 8,002 | 8,705 | 9,409 | 10,112 | 10,816 | 11,519 | 12,222 | 12,926 | 13,629 |
| | 3,0 | 5,364 | 6,038 | 6,712 | 7,386 | 8,060 | 8,734 | 9,409 | 10,083 | 10,757 | 11,431 | 12,105 |
| | 3,5 | 4,133 | 4,778 | 5,422 | 6,067 | 6,712 | 7,357 | 8,002 | 8,647 | 9,291 | 9,936 | 10,581 |
| | 4,0 | 2,902 | 3,517 | 4,133 | 4,748 | 5,364 | 5,979 | 6,595 | 7,210 | 7,826 | 8,441 | 9,057 |
| | 4,5 | 1,671 | 2,257 | 2,843 | 3,429 | 4,016 | 4,602 | 5,188 | 5,774 | 6,360 | 6,947 | 7,533 |
| | 5,0 | 0,440 | 0,997 | 1,553 | 2,110 | 2,667 | 3,224 | 3,781 | 4,338 | 4,895 | 5,452 | 6,009 |
| | 5,5 | – | – | 0,264 | 0,791 | 1,319 | 1,847 | 2,374 | 2,902 | 3,429 | 3,957 | 4,484 |
| | 6,0 | – | – | – | – | – | 0,469 | 0,967 | 1,466 | 1,964 | 2,462 | 2,960 |
| 6,5 | – | – | – | – | – | – | – | 0,029 | 0,498 | 0,967 | 1,436 | |
| 7,0 | – | – | – | – | – | – | – | – | – | – | – | |
| 17,0 | 2,0 | 8,613 | 9,350 | 10,087 | 10,823 | 11,560 | 12,297 | 13,033 | 13,770 | 14,507 | 15,243 | 15,980 |
| | 2,5 | 7,367 | 8,075 | 8,783 | 9,492 | 10,200 | 10,908 | 11,617 | 12,325 | 13,033 | 13,742 | 14,450 |
| | 3,0 | 6,120 | 6,800 | 7,480 | 8,160 | 8,840 | 9,520 | 10,200 | 10,880 | 11,560 | 12,240 | 12,920 |
| | 3,5 | 4,873 | 5,525 | 6,177 | 6,828 | 7,480 | 8,132 | 8,783 | 9,435 | 10,087 | 10,738 | 11,390 |
| | 4,0 | 3,627 | 4,250 | 4,873 | 5,497 | 6,120 | 6,743 | 7,367 | 7,990 | 8,613 | 9,237 | 9,860 |
| | 4,5 | 2,380 | 2,975 | 3,570 | 4,165 | 4,760 | 5,355 | 5,950 | 6,545 | 7,140 | 7,735 | 8,330 |
| | 5,0 | 1,133 | 1,700 | 2,267 | 2,833 | 3,400 | 3,967 | 4,533 | 5,100 | 5,667 | 6,233 | 6,800 |
| | 5,5 | – | 0,425 | 0,963 | 1,502 | 2,040 | 2,578 | 3,117 | 3,655 | 4,193 | 4,732 | 5,270 |
| | 6,0 | – | – | – | 0,170 | 0,680 | 1,190 | 1,700 | 2,210 | 2,720 | 3,230 | 3,740 |
| 6,5 | – | – | – | – | – | – | 0,283 | 0,765 | 1,247 | 1,728 | 2,210 | |
| 7,0 | – | – | – | – | – | – | – | – | – | 0,227 | 0,680 | |

| total acidity g/L | tartaric acid g/L | targeted final value total acidity (g/L) | | | | | | | | | | |
|----------------------|----------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 10,0 | 9,5 | 9,0 | 8,5 | 8,0 | 7,5 | 7,0 | 6,5 | 6,0 | 5,5 | 5,0 |
| 17,5 | 2,0 | 9,405 | 10,145 | 10,885 | 11,626 | 12,366 | 13,106 | 13,847 | 14,587 | 15,327 | 16,068 | 16,808 |
| | 2,5 | 8,144 | 8,856 | 9,569 | 10,282 | 10,995 | 11,708 | 12,421 | 13,134 | 13,847 | 14,560 | 15,273 |
| | 3,0 | 6,882 | 7,568 | 8,253 | 8,939 | 9,624 | 10,310 | 10,995 | 11,681 | 12,366 | 13,052 | 13,737 |
| | 3,5 | 5,621 | 6,279 | 6,937 | 7,595 | 8,253 | 8,911 | 9,569 | 10,227 | 10,885 | 11,544 | 12,202 |
| | 4,0 | 4,360 | 4,990 | 5,621 | 6,252 | 6,882 | 7,513 | 8,144 | 8,774 | 9,405 | 10,035 | 10,666 |
| | 4,5 | 3,098 | 3,702 | 4,305 | 4,908 | 5,511 | 6,115 | 6,718 | 7,321 | 7,924 | 8,527 | 9,131 |
| | 5,0 | 1,837 | 2,413 | 2,989 | 3,565 | 4,140 | 4,716 | 5,292 | 5,868 | 6,444 | 7,019 | 7,595 |
| | 5,5 | 0,576 | 1,124 | 1,673 | 2,221 | 2,769 | 3,318 | 3,866 | 4,415 | 4,963 | 5,511 | 6,060 |
| | 6,0 | - | - | 0,356 | 0,877 | 1,398 | 1,919 | 2,440 | 2,961 | 3,482 | 4,003 | 4,524 |
| | 6,5 | - | - | - | - | 0,027 | 0,521 | 1,015 | 1,508 | 2,002 | 2,495 | 2,989 |
| 7,0 | - | - | - | - | - | - | - | 0,055 | 0,521 | 0,987 | 1,453 | |
| 7,5 | - | - | - | - | - | - | - | - | - | - | - | |
| 18,0 | 2,0 | 10,200 | 10,944 | 11,688 | 12,431 | 13,175 | 13,919 | 14,663 | 15,406 | 16,150 | 16,894 | 17,638 |
| | 2,5 | 8,925 | 9,642 | 10,359 | 11,077 | 11,794 | 12,511 | 13,228 | 13,945 | 14,663 | 15,380 | 16,097 |
| | 3,0 | 7,650 | 8,341 | 9,031 | 9,722 | 10,413 | 11,103 | 11,794 | 12,484 | 13,175 | 13,866 | 14,556 |
| | 3,5 | 6,375 | 7,039 | 7,703 | 8,367 | 9,031 | 9,695 | 10,359 | 11,023 | 11,688 | 12,352 | 13,016 |
| | 4,0 | 5,100 | 5,738 | 6,375 | 7,013 | 7,650 | 8,288 | 8,925 | 9,563 | 10,200 | 10,838 | 11,475 |
| | 4,5 | 3,825 | 4,436 | 5,047 | 5,658 | 6,269 | 6,880 | 7,491 | 8,102 | 8,713 | 9,323 | 9,934 |
| | 5,0 | 2,550 | 3,134 | 3,719 | 4,303 | 4,888 | 5,472 | 6,056 | 6,641 | 7,225 | 7,809 | 8,394 |
| | 5,5 | 1,275 | 1,833 | 2,391 | 2,948 | 3,506 | 4,064 | 4,622 | 5,180 | 5,738 | 6,295 | 6,853 |
| | 6,0 | - | 0,531 | 1,063 | 1,594 | 2,125 | 2,656 | 3,188 | 3,719 | 4,250 | 4,781 | 5,313 |
| | 6,5 | - | - | - | 0,239 | 0,744 | 1,248 | 1,753 | 2,258 | 2,763 | 3,267 | 3,772 |
| 7,0 | - | - | - | - | - | - | 0,319 | 0,797 | 1,275 | 1,753 | 2,231 | |
| 7,5 | - | - | - | - | - | - | - | - | - | 0,239 | 0,691 | |
| 18,5 | 2,0 | 10,998 | 11,745 | 12,492 | 13,239 | 13,986 | 14,733 | 15,480 | 16,227 | 16,974 | 17,721 | 18,468 |
| | 2,5 | 9,711 | 10,432 | 11,153 | 11,874 | 12,595 | 13,317 | 14,038 | 14,759 | 15,480 | 16,202 | 16,923 |
| | 3,0 | 8,423 | 9,118 | 9,814 | 10,509 | 11,205 | 11,900 | 12,595 | 13,291 | 13,986 | 14,682 | 15,377 |
| | 3,5 | 7,135 | 7,805 | 8,474 | 9,144 | 9,814 | 10,483 | 11,153 | 11,823 | 12,492 | 13,162 | 13,832 |
| | 4,0 | 5,847 | 6,491 | 7,135 | 7,779 | 8,423 | 9,067 | 9,711 | 10,355 | 10,998 | 11,642 | 12,286 |
| | 4,5 | 4,559 | 5,177 | 5,795 | 6,414 | 7,032 | 7,650 | 8,268 | 8,886 | 9,505 | 10,123 | 10,741 |
| | 5,0 | 3,271 | 3,864 | 4,456 | 5,048 | 5,641 | 6,233 | 6,826 | 7,418 | 8,011 | 8,603 | 9,195 |
| | 5,5 | 1,983 | 2,550 | 3,117 | 3,683 | 4,250 | 4,817 | 5,383 | 5,950 | 6,517 | 7,083 | 7,650 |
| | 6,0 | 0,695 | 1,236 | 1,777 | 2,318 | 2,859 | 3,400 | 3,941 | 4,482 | 5,023 | 5,564 | 6,105 |
| | 6,5 | - | - | 0,438 | 0,953 | 1,468 | 1,983 | 2,498 | 3,014 | 3,529 | 4,044 | 4,559 |
| 7,0 | - | - | - | - | 0,077 | 0,567 | 1,056 | 1,545 | 2,035 | 2,524 | 3,014 | |
| 7,5 | - | - | - | - | - | - | - | 0,077 | 0,541 | 1,005 | 1,468 | |
| 19,0 | 2,0 | 11,800 | 12,550 | 13,300 | 14,050 | 14,800 | 15,550 | 16,300 | 17,050 | 17,800 | 18,550 | 19,300 |
| | 2,5 | 10,500 | 11,225 | 11,950 | 12,675 | 13,400 | 14,125 | 14,850 | 15,575 | 16,300 | 17,025 | 17,750 |
| | 3,0 | 9,200 | 9,900 | 10,600 | 11,300 | 12,000 | 12,700 | 13,400 | 14,100 | 14,800 | 15,500 | 16,200 |
| | 3,5 | 7,900 | 8,757 | 9,250 | 9,925 | 10,600 | 11,275 | 11,950 | 12,625 | 13,300 | 13,975 | 14,650 |
| | 4,0 | 6,600 | 7,250 | 7,900 | 8,550 | 9,200 | 9,850 | 10,500 | 11,150 | 11,800 | 12,450 | 13,100 |
| | 4,5 | 5,300 | 5,925 | 6,550 | 7,175 | 7,800 | 8,425 | 9,050 | 9,675 | 10,300 | 10,925 | 11,550 |
| | 5,0 | 4,000 | 4,600 | 5,200 | 5,800 | 6,400 | 7,000 | 7,600 | 8,200 | 8,800 | 9,400 | 10,000 |
| | 5,5 | 2,700 | 3,275 | 3,850 | 4,425 | 5,000 | 5,575 | 6,150 | 6,725 | 7,300 | 7,875 | 8,450 |
| | 6,0 | 1,400 | 1,950 | 2,500 | 3,050 | 3,600 | 4,150 | 4,700 | 5,250 | 5,800 | 6,350 | 6,900 |
| | 6,5 | 0,100 | 0,625 | 1,150 | 1,675 | 2,200 | 2,725 | 3,250 | 3,775 | 4,300 | 4,825 | 5,350 |
| 7,0 | - | - | - | 0,300 | 0,800 | 1,300 | 1,800 | 2,300 | 2,800 | 3,300 | 3,800 | |
| 7,5 | - | - | - | - | - | - | 0,350 | 0,825 | 1,300 | 1,775 | 2,250 | |
| 8,0 | - | - | - | - | - | - | - | - | - | 0,250 | 0,700 | |

| total acidity g/L | tartaric acid g/L | targeted final value total acidity (g/L) | | | | | | | | | | |
|----------------------|----------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 10,0 | 9,5 | 9,0 | 8,5 | 8,0 | 7,5 | 7,0 | 6,5 | 6,0 | 5,5 | 5,0 |
| 19,5 | 2,0 | 12,604 | 13,357 | 14,110 | 14,863 | 15,616 | 16,369 | 17,121 | 17,874 | 18,627 | 19,380 | 20,133 |
| | 2,5 | 11,293 | 12,021 | 12,750 | 13,479 | 14,207 | 14,936 | 15,664 | 16,393 | 17,121 | 17,850 | 18,579 |
| | 3,0 | 9,981 | 10,686 | 11,390 | 12,094 | 12,799 | 13,505 | 14,207 | 14,911 | 15,616 | 16,320 | 17,024 |
| | 3,5 | 8,670 | 9,350 | 10,030 | 10,710 | 11,390 | 12,070 | 12,750 | 13,430 | 14,110 | 14,790 | 15,470 |
| | 4,0 | 7,359 | 8,014 | 8,670 | 9,326 | 9,981 | 10,637 | 11,293 | 11,949 | 12,604 | 13,260 | 13,916 |
| | 4,5 | 6,047 | 6,679 | 7,310 | 7,941 | 8,573 | 9,204 | 9,836 | 10,467 | 11,099 | 11,730 | 12,361 |
| | 5,0 | 4,736 | 5,343 | 5,950 | 6,557 | 7,164 | 7,771 | 8,379 | 8,986 | 9,593 | 10,200 | 10,807 |
| | 5,5 | 3,424 | 4,007 | 4,590 | 5,173 | 5,756 | 6,339 | 6,921 | 7,504 | 8,087 | 8,670 | 9,253 |
| | 6,0 | 2,113 | 2,671 | 3,230 | 3,789 | 4,347 | 4,906 | 5,464 | 6,023 | 6,581 | 7,140 | 7,699 |
| | 6,5 | 0,801 | 1,336 | 1,870 | 2,404 | 2,939 | 3,473 | 4,007 | 4,541 | 5,076 | 5,610 | 6,144 |
| | 7,0 | - | - | 0,510 | 1,020 | 1,530 | 2,040 | 2,550 | 3,060 | 3,570 | 4,080 | 4,590 |
| 7,5 | - | - | - | - | 0,121 | 0,607 | 1,093 | 1,579 | 2,064 | 2,550 | 3,036 | |
| 8,0 | - | - | - | - | - | - | - | 0,097 | 0,559 | 1,020 | 1,481 | |
| 20,0 | 2,0 | 13,411 | 14,167 | 14,922 | 15,678 | 16,433 | 17,189 | 17,944 | 18,700 | 19,456 | 20,211 | 20,967 |
| | 2,5 | 12,089 | 12,821 | 13,553 | 14,285 | 15,017 | 15,749 | 16,481 | 17,212 | 17,944 | 18,676 | 19,408 |
| | 3,0 | 10,767 | 11,475 | 12,183 | 12,892 | 13,600 | 14,308 | 15,017 | 15,725 | 16,433 | 17,142 | 17,850 |
| | 3,5 | 9,444 | 10,129 | 10,814 | 11,499 | 12,183 | 12,868 | 13,553 | 14,238 | 14,922 | 15,607 | 16,292 |
| | 4,0 | 8,122 | 8,783 | 9,444 | 10,106 | 10,767 | 11,428 | 12,089 | 12,750 | 13,411 | 14,072 | 14,733 |
| | 4,5 | 6,800 | 7,438 | 8,075 | 8,713 | 9,350 | 9,988 | 10,625 | 11,263 | 11,900 | 12,538 | 13,175 |
| | 5,0 | 5,478 | 6,092 | 6,706 | 7,319 | 7,933 | 8,547 | 9,161 | 9,775 | 10,389 | 11,003 | 11,617 |
| | 5,5 | 4,156 | 4,746 | 5,336 | 5,926 | 6,517 | 7,107 | 7,697 | 8,288 | 8,878 | 9,468 | 10,058 |
| | 6,0 | 2,833 | 3,400 | 3,967 | 4,533 | 5,100 | 5,667 | 6,233 | 6,800 | 7,367 | 7,933 | 8,500 |
| | 6,5 | 1,511 | 2,054 | 2,597 | 3,140 | 3,683 | 4,226 | 4,769 | 5,313 | 5,856 | 6,399 | 6,942 |
| | 7,0 | 0,189 | 0,708 | 1,228 | 1,747 | 2,267 | 2,786 | 3,306 | 3,825 | 4,344 | 4,864 | 5,383 |
| 7,5 | - | - | - | 0,354 | 0,850 | 1,346 | 1,842 | 2,338 | 2,833 | 3,329 | 3,825 | |
| 8,0 | - | - | - | - | - | - | 0,378 | 0,850 | 1,322 | 1,794 | 2,267 | |
| 8,5 | - | - | - | - | - | - | - | - | - | 0,260 | 0,708 | |
| 20,5 | 2,0 | 14,220 | 14,978 | 15,736 | 16,495 | 17,253 | 18,011 | 18,769 | 19,527 | 20,285 | 21,043 | 21,801 |
| | 2,5 | 12,880 | 13,623 | 14,358 | 15,093 | 15,828 | 16,564 | 17,299 | 18,034 | 18,769 | 19,504 | 20,239 |
| | 3,0 | 11,555 | 12,268 | 12,980 | 13,692 | 14,404 | 15,116 | 15,828 | 16,541 | 17,253 | 17,965 | 18,677 |
| | 3,5 | 10,223 | 10,912 | 11,601 | 12,291 | 12,980 | 13,669 | 14,358 | 15,047 | 15,736 | 16,426 | 17,115 |
| | 4,0 | 8,891 | 9,557 | 10,223 | 10,889 | 11,555 | 12,222 | 12,888 | 13,554 | 14,220 | 14,886 | 15,553 |
| | 4,5 | 7,558 | 8,201 | 8,845 | 9,488 | 10,131 | 10,774 | 11,418 | 12,061 | 12,704 | 13,347 | 13,991 |
| | 5,0 | 6,226 | 6,846 | 7,466 | 8,086 | 8,707 | 9,327 | 9,947 | 10,568 | 11,188 | 11,808 | 12,428 |
| | 5,5 | 4,893 | 5,491 | 6,088 | 6,685 | 7,282 | 7,880 | 8,477 | 9,074 | 9,672 | 10,269 | 10,866 |
| | 6,0 | 3,561 | 4,135 | 4,709 | 5,284 | 5,858 | 6,432 | 7,007 | 7,581 | 8,155 | 8,730 | 9,304 |
| | 6,5 | 2,228 | 2,780 | 3,331 | 3,882 | 4,434 | 4,985 | 5,536 | 6,088 | 6,639 | 7,191 | 7,742 |
| | 7,0 | 0,896 | 1,424 | 1,953 | 2,481 | 3,009 | 3,538 | 4,066 | 4,595 | 5,123 | 5,651 | 6,180 |
| 7,5 | - | 0,069 | 0,574 | 1,080 | 1,585 | 2,091 | 2,596 | 3,101 | 3,607 | 4,112 | 4,618 | |
| 8,0 | - | - | - | - | 0,161 | 0,643 | 1,126 | 1,608 | 2,091 | 2,573 | 3,055 | |
| 8,5 | - | - | - | - | - | - | - | 0,115 | 0,574 | 1,034 | 1,493 | |
| 21,0 | 2,0 | 15,032 | 15,792 | 16,553 | 17,313 | 18,074 | 18,834 | 19,595 | 20,355 | 21,116 | 21,876 | 22,637 |
| | 2,5 | 13,689 | 14,428 | 15,166 | 15,904 | 16,642 | 17,380 | 18,118 | 18,857 | 19,595 | 20,333 | 21,071 |
| | 3,0 | 12,347 | 13,063 | 13,779 | 14,495 | 15,211 | 15,926 | 16,642 | 17,358 | 18,074 | 18,789 | 19,505 |
| | 3,5 | 11,005 | 11,699 | 12,392 | 13,086 | 13,779 | 14,472 | 15,166 | 15,859 | 16,553 | 17,246 | 17,939 |
| | 4,0 | 9,663 | 10,334 | 11,005 | 11,676 | 12,347 | 13,018 | 13,689 | 14,361 | 15,032 | 15,703 | 16,374 |
| | 4,5 | 8,321 | 8,970 | 9,618 | 10,267 | 10,916 | 11,564 | 12,219 | 12,862 | 13,511 | 14,159 | 14,808 |
| | 5,0 | 6,979 | 7,605 | 8,232 | 8,858 | 9,484 | 10,111 | 10,737 | 11,363 | 11,989 | 12,616 | 13,242 |
| | 5,5 | 5,637 | 6,241 | 6,845 | 7,449 | 8,053 | 8,657 | 9,261 | 9,864 | 10,468 | 11,072 | 11,676 |
| | 6,0 | 4,295 | 4,876 | 5,458 | 6,039 | 6,621 | 7,203 | 7,784 | 8,366 | 8,947 | 9,529 | 10,111 |
| | 6,5 | 2,953 | 3,512 | 4,071 | 4,630 | 5,189 | 5,749 | 6,308 | 6,867 | 7,426 | 7,986 | 8,545 |
| | 7,0 | 1,611 | 2,147 | 2,684 | 3,221 | 3,758 | 4,295 | 4,832 | 5,368 | 5,905 | 6,442 | 6,979 |
| 7,5 | 0,268 | 0,783 | 1,297 | 1,812 | 2,326 | 2,841 | 3,355 | 3,870 | 4,384 | 4,899 | 5,413 | |
| 8,0 | - | - | - | 0,403 | 0,895 | 1,387 | 1,879 | 2,371 | 2,863 | 3,355 | 3,847 | |
| 8,5 | - | - | - | - | - | - | 0,403 | 0,872 | 1,342 | 1,812 | 2,282 | |

| total acidity g/L | tartaric acid g/L | targeted final value total acidity (g/L) | | | | | | | | | | |
|----------------------|----------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 10,0 | 9,5 | 9,0 | 8,5 | 8,0 | 7,5 | 7,0 | 6,5 | 6,0 | 5,5 | 5,0 |
| 21,5 | 2,0 | 15,845 | 16,608 | 17,371 | 18,133 | 18,896 | 19,659 | 20,422 | 21,185 | 21,947 | 22,710 | 23,473 |
| | 2,5 | 14,494 | 15,235 | 15,976 | 16,717 | 17,458 | 18,199 | 18,940 | 19,681 | 20,422 | 21,163 | 21,904 |
| | 3,0 | 13,142 | 13,862 | 14,581 | 15,300 | 16,019 | 16,738 | 17,458 | 18,177 | 18,896 | 19,615 | 20,335 |
| | 3,5 | 11,791 | 12,488 | 13,186 | 13,883 | 14,581 | 15,278 | 15,976 | 16,673 | 17,371 | 18,068 | 18,765 |
| | 4,0 | 10,440 | 11,115 | 11,791 | 12,467 | 13,142 | 13,818 | 14,494 | 15,169 | 15,845 | 16,521 | 17,196 |
| | 4,5 | 9,088 | 9,742 | 10,396 | 11,050 | 11,704 | 12,358 | 13,012 | 13,665 | 14,319 | 14,973 | 15,627 |
| | 5,0 | 7,737 | 8,369 | 9,001 | 9,633 | 10,265 | 10,897 | 11,529 | 12,162 | 12,794 | 13,426 | 14,058 |
| | 5,5 | 6,386 | 6,996 | 7,606 | 8,217 | 8,827 | 9,437 | 10,047 | 10,658 | 11,268 | 11,878 | 12,488 |
| | 6,0 | 5,035 | 5,623 | 6,212 | 6,800 | 7,388 | 7,977 | 8,565 | 9,154 | 9,742 | 10,331 | 10,919 |
| | 6,5 | 3,683 | 4,250 | 4,817 | 5,383 | 5,950 | 6,517 | 7,083 | 7,650 | 8,217 | 8,783 | 9,350 |
| | 7,0 | 2,332 | 2,877 | 3,422 | 3,967 | 4,512 | 5,056 | 5,601 | 6,146 | 6,691 | 7,236 | 7,781 |
| | 7,5 | 0,981 | 1,504 | 2,027 | 2,550 | 3,073 | 3,596 | 4,119 | 4,642 | 5,165 | 5,688 | 6,212 |
| | 8,0 | - | 0,131 | 0,632 | 1,133 | 1,635 | 2,136 | 2,637 | 3,138 | 3,640 | 4,141 | 4,642 |
| 8,5 | - | - | - | - | 0,196 | 0,676 | 1,155 | 1,635 | 2,114 | 2,594 | 3,073 | |
| 9,0 | - | - | - | - | - | - | - | 0,131 | 0,588 | 1,046 | 1,504 | |
| 22,0 | 2,0 | 16,660 | 17,425 | 18,190 | 18,955 | 19,720 | 20,485 | 21,250 | 22,015 | 22,780 | 23,545 | 24,310 |
| | 2,5 | 15,300 | 16,044 | 16,788 | 17,531 | 18,275 | 19,019 | 19,763 | 20,506 | 21,250 | 21,994 | 22,739 |
| | 3,0 | 13,940 | 14,663 | 15,385 | 16,108 | 16,830 | 17,553 | 18,275 | 18,998 | 19,720 | 20,442 | 21,165 |
| | 3,5 | 12,580 | 13,281 | 13,983 | 14,684 | 15,385 | 16,086 | 16,788 | 17,489 | 18,190 | 18,891 | 19,592 |
| | 4,0 | 11,220 | 11,900 | 12,580 | 13,260 | 13,940 | 14,620 | 15,300 | 15,980 | 16,660 | 17,340 | 18,020 |
| | 4,5 | 9,860 | 10,519 | 11,178 | 11,836 | 12,495 | 13,154 | 13,813 | 14,471 | 15,130 | 15,789 | 16,448 |
| | 5,0 | 8,500 | 9,138 | 9,775 | 10,413 | 11,050 | 11,688 | 12,325 | 12,963 | 13,600 | 14,238 | 14,875 |
| | 5,5 | 7,140 | 7,756 | 8,373 | 8,989 | 9,605 | 10,221 | 10,838 | 11,454 | 12,070 | 12,686 | 13,303 |
| | 6,0 | 5,780 | 6,375 | 6,970 | 7,565 | 8,160 | 8,755 | 9,350 | 9,945 | 10,540 | 11,135 | 11,730 |
| | 6,5 | 4,420 | 4,994 | 5,568 | 6,141 | 6,715 | 7,289 | 7,863 | 8,436 | 9,010 | 9,584 | 10,158 |
| | 7,0 | 3,060 | 3,613 | 4,165 | 4,718 | 5,270 | 5,823 | 6,375 | 6,929 | 7,480 | 8,033 | 8,585 |
| | 7,5 | 1,700 | 2,231 | 2,763 | 3,294 | 3,825 | 4,356 | 4,888 | 5,419 | 5,950 | 6,481 | 7,013 |
| | 8,0 | 0,340 | 0,850 | 1,360 | 1,870 | 2,380 | 2,890 | 3,400 | 3,910 | 4,420 | 4,930 | 5,440 |
| 8,5 | - | - | - | 0,446 | 0,935 | 1,424 | 1,913 | 2,401 | 2,890 | 3,379 | 3,868 | |
| 9,0 | - | - | - | - | - | - | 0,425 | 0,893 | 1,360 | 1,827 | 2,295 | |
| 22,5 | 2,0 | 17,477 | 18,244 | 19,011 | 19,778 | 20,545 | 21,312 | 22,079 | 22,876 | 23,613 | 24,380 | 25,148 |
| | 2,5 | 16,109 | 16,855 | 17,601 | 18,348 | 19,094 | 19,840 | 20,587 | 21,333 | 22,079 | 22,826 | 23,572 |
| | 3,0 | 14,740 | 15,466 | 16,191 | 16,917 | 17,643 | 18,368 | 19,094 | 19,820 | 20,545 | 21,271 | 21,996 |
| | 3,5 | 13,372 | 14,077 | 14,782 | 15,487 | 16,191 | 16,896 | 17,601 | 18,306 | 19,011 | 19,716 | 20,421 |
| | 4,0 | 12,004 | 12,688 | 13,372 | 14,056 | 14,740 | 15,424 | 16,109 | 16,793 | 17,477 | 18,161 | 18,845 |
| | 4,5 | 10,635 | 11,299 | 11,962 | 12,626 | 13,289 | 13,952 | 14,616 | 15,279 | 15,943 | 16,606 | 17,270 |
| | 5,0 | 9,267 | 9,910 | 10,552 | 11,195 | 11,838 | 12,480 | 13,123 | 13,766 | 14,409 | 15,051 | 15,694 |
| | 5,5 | 7,899 | 8,521 | 9,143 | 9,765 | 10,387 | 11,009 | 11,630 | 12,252 | 12,874 | 13,496 | 14,118 |
| | 6,0 | 6,530 | 7,132 | 7,733 | 8,334 | 8,935 | 9,537 | 10,138 | 10,739 | 11,340 | 11,941 | 12,543 |
| | 6,5 | 5,162 | 5,743 | 6,323 | 6,904 | 7,484 | 8,065 | 8,645 | 9,226 | 9,806 | 10,387 | 10,967 |
| | 7,0 | 3,794 | 4,354 | 4,913 | 5,473 | 6,033 | 6,593 | 7,152 | 7,712 | 8,272 | 8,832 | 9,391 |
| | 7,5 | 2,426 | 2,965 | 3,504 | 4,043 | 4,582 | 5,121 | 5,660 | 6,199 | 6,738 | 7,277 | 7,816 |
| | 8,0 | 1,057 | 1,576 | 2,094 | 2,612 | 3,130 | 3,649 | 4,167 | 4,685 | 5,204 | 5,722 | 6,240 |
| 8,5 | - | 0,187 | 0,684 | 1,182 | 1,679 | 2,177 | 2,674 | 3,172 | 3,670 | 4,167 | 4,665 | |
| 9,0 | - | - | - | - | 0,228 | 0,705 | 1,182 | 1,659 | 2,135 | 2,612 | 3,089 | |
| 9,5 | - | - | - | - | - | - | - | 0,145 | 0,601 | 1,057 | 1,513 | |