

1385, as amended, 1387, as amended (26 U.S.C. 5382, 5383, 5384, 5392))

[T.D. ATF-299, 55 FR 24989, June 19, 1990, as amended by T.D. ATF-312, 56 FR 31078, July 9, 1991]

**§ 24.182 Use of acid to correct natural deficiencies.**

(a) *General.* Acids of the kinds occurring in grapes or other fruit (including berries) may be added within the limitations of § 24.246 to juice or wine in order to correct natural deficiencies; however, no acid may be added to juice or wine which is ameliorated to correct natural deficiencies except that in the production of grape wine, tartaric acid may be used to reduce the pH of the juice or wine. If tartaric acid is used to correct the pH of grape juice or wine, the fixed acid level of the juice shall be measured prior to the addition of any tartaric acid to determine the maximum quantity of ameliorating material allowed. In addition, when using tartaric acid to reduce the pH of ameliorated grape juice or wine, the pH cannot be reduced below 3.0.

(b) *Grape wine.* Tartaric acid or malic acid, or a combination of tartaric acid and malic acid, may be added prior to or during fermentation, to grapes or juice from grapes. In addition, after fermentation is completed, citric acid, fumaric acid, malic acid, lactic acid or tartaric acid, or a combination of two or more of these acids, may be added to correct natural deficiencies. However, the use of these acids, either prior to, during or after fermentation, may not increase the fixed acid level of the finished wine (calculated as tartaric acid) above 9.0 grams per liter. In cases where the wine contains 8.0 or more grams of total solids per 100 milliliters of wine, acids may be added to the extent that the finished wine does not contain more than 11.0 grams per liter of fixed acid (calculated as tartaric acid).

(c) *Fruit wine.* Only citric acid may be added to citrus fruit, juice or wine, only malic acid may be added to apples, apple juice or wine, and only citric acid or malic acid may be added to other fruit (including berries) or to juice or wine derived from other fruit (including berries) to correct natural deficiencies to 9.0 grams per liter of

finished wine; however, if the wine contains 8.0 or more grams of total solids per 100 milliliters of wine, acids may be added to correct natural deficiencies to the extent that the finished wine does not contain more than 11.0 grams per liter of fixed acid (calculated as malic acid for apples and citric acid for other fruit (including berries)).

(d) *Other use of acid.* A winemaker desiring to use an acid other than the acids allowed in paragraphs (a) and (b) of this section to correct natural deficiencies shall follow the procedure prescribed in § 24.250. A winemaker desiring to use acid to stabilize standard wine shall follow the requirements prescribed by § 24.244. (Sec. 201, Pub. L. 85-859, 72 Stat. 1383, as amended (26 U.S.C. 5382))

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**§ 24.183 Use of distillates containing aldehydes.**

Distillates containing aldehydes may be received on wine premises for use in the fermentation of wine and then returned to the distilled spirits plant from which distillates were withdrawn as distilling material. Distillates produced from one kind of fruit may not be used in the fermentation of wine made from a different kind of fruit. Distillates containing aldehydes which are received at bonded wine premises and not immediately used will be placed in a locked room or tank on bonded wine premises. Distillates containing aldehydes may not be mingled with wine spirits. If the distillates contain less than 0.1 percent of aldehydes, the proprietor shall comply with any additional condition relating to the receipt, storage, and use which the appropriate TTB officer may require to assure that the distillates are properly used and accounted for. (Sec. 201, Pub. L. 85-859, 72 Stat. 1381, as amended, 1382, as amended (26 U.S.C. 5367, 5373))

[T.D. ATF-299, 55 FR 24989, June 19, 1990, as amended by T.D. ATF-409, 64 FR 13683, Mar. 22, 1999]

**§ 24.184 Use of volatile fruit-flavor concentrate.**

(a) *General.* In the cellar treatment of natural wine of the winemaker's own

production there may be added volatile fruit-flavor concentrate produced from the same kind of fruit or from the same variety of berry or grape so long as the proportion of volatile fruit-flavor concentrate added to the wine does not exceed the equivalent proportion of volatile fruit-flavor concentrate of the original juice or must from which the wine was produced.

(b) *Use of juice or must from which volatile fruit-flavor has been removed.* Juice, concentrated fruit juice, or must processed at a concentrate plant is considered to be pure juice, concentrated fruit juice, or must even though volatile fruit-flavor has been removed if, at a concentrate plant or at bonded wine premises, there is added to the juice, concentrated fruit juice, or must (or in the case of bonded wine premises, to wine of the winemaker's own production made therefrom), either the identical volatile fruit-flavor removed or an equivalent quantity of volatile fruit-flavor concentrate derived from the same kind of fruit or from the same variety of berry or grape.

(c) *Certificate required.* The proprietor, prior to the use of volatile fruit flavor concentrate in wine production, shall obtain a certificate from the producer stating the kind of fruit or the variety of berry or grape from which it was produced and the total solids content of the juice before and after concentration. (Sec. 201, Pub. L. 85-859, 72 Stat. 1383, as amended (26 U.S.C. 5382))

(Approved by the Office of Management and Budget under control number 1512-0298)

**Subpart G—Production of Effervescent Wine**

**§ 24.190 General.**

Effervescent wine may be made on bonded wine premises. Where the effervescence results from fermentation of the wine within a closed container, the wine is classed and taxed as sparkling wine. The use of carbon dioxide, nitrogen gas, or a combination of both, is permitted to maintain counterpressure during the transfer and bottling of sparkling wine. Wine carbonated by injection of carbon dioxide is classed and taxed as artificially carbonated wine. Sparkling wine, artificially carbonated

wine, and any wine used as a base in the production of sparkling wine or artificially carbonated wine, may not have an alcohol content in excess of 14 percent by volume. However, wine containing more than 14 percent of alcohol by volume may be used in preparing a dosage for finishing sparkling wine or artificially carbonated wine. (Sec. 201, Pub. L. 85-859, 72 Stat. 1383, as amended (26 U.S.C. 5382)).

[T.D. ATF-299, 55 FR 24989, June 19, 1990, as amended by T.D. ATF-312, 56 FR 31078, July 9, 1991]

**§ 24.191 Segregation of operations.**

Where more than one process of producing sparkling wine or artificially carbonated wine is used, the appropriate TTB officer may require the portion of the premises used for the production and storage of wine made by each process (bottle fermented, bulk fermented or artificially carbonated) to be segregated as provided by § 24.27. (Sec. 201, Pub. L. 85-859, 72 Stat. 1381, as amended (26 U.S.C. 5365))

[T.D. ATF-299, 55 FR 24989, June 19, 1990, as amended by T.D. ATF-409, 64 FR 13683, Mar. 22, 1999]

**§ 24.192 Process and materials.**

In preparing still wine for the production of sparkling wine or artificially carbonated wine, sugar and acid of the kinds and within the limitations prescribed in § 24.182 may be added with yeast or yeast culture to acclimate the yeast and to facilitate the process of secondary fermentation or to correct the wine. Fruit syrup, sugar, wine, wine spirits, and acid may be used in preparing a finishing dosage for sparkling wine or artificially carbonated wine provided the dosage does not exceed 10 percent by volume of the finished product. Where the proprietor desires to use more than 10 percent by volume finishing dosage, the proprietor shall file for a formula approval under § 24.80. The fruit syrup, wine spirits and wine used will come from the same kind of fruit as the wine from which the sparkling wine or artificially carbonated wine is made. In the production of sparkling wine or artificially carbonated wine, taxpaid wine spirits or wine spirits withdrawn tax-free may be used. Tax-free wine spirits may only