

901:3-45-01

**Voluntary Gradesgrades and standards.**

- (A) The following grades and their corresponding standards are adopted by the Ohio department of agriculture for use by producers and processors of maple syrup. For the purpose of this rule %Tc means the percent light transmission measured with a spectrophotometer using matched square optical cells having a ten millimeter light path at a wavelength of five hundred sixty nanometers, with the color values expressed in percent of light transmission as compared to analytical reagent glycerol fixed at one hundred percent transmission.

Voluntary grades and standards

Grade name	Standard
Ohio Grade A Light Amber	Pure maple syrup which is free of any material other than pure, clean liquid maple syrup in sanitary condition; which has a color no darker than the United States department of agriculture's visual color standard light amber, or has a color for light transmittance not less than 75.0% Tc; which has a delicately sweet, original maple flavor; and which has a density not less than 66 degrees Brix at 68 degrees Fahrenheit. Grade A Light Amber maple syrup shall be free of sugar crystals and shall not be damaged in any way;
Ohio Grade A Medium Amber	Pure maple syrup which is free of any material other than pure, clear clean liquid maple syrup in sanitary condition; which has a color no darker than the United States department of agriculture's visual color standard, medium amber, or has a color for light transmittance between the range of 74.9% Tc to 60.5% Tc; it may have a flavor which is slightly more pronounced than that of Grade A Light Amber but which is not strong or unpleasant. Grade A Medium Amber maple syrup shall be free of sugar crystals, shall not be damaged in any way and it shall have the same density requirements as Grade A Light Amber.
Ohio Grade A Dark Amber	Pure maple syrup which is free of any material other than pure, clear, clean liquid maple syrup in sanitary condition; which has a color no darker than the United States department of agriculture's visual standard dark amber, or has a color for light transmittance between the range of 60.4% Tc and 44.0% Tc; it may have a flavor which is stronger than that of Grade A Medium Amber, but which is not sharp, bitter, buddy or

off-flavor. Grade A Dark Amber must meet the density requirement of Grade A Light Amber. Grade A Dark Amber maple syrup shall be free of sugar crystals and shall not be damaged in any way.

Ohio Grade B

Pure maple syrup which is free of any material other than pure, clean, clear liquid maple syrup in sanitary condition; which has a color for light transmittance between the range of 43.9% Tc to 27.0% Tc; Grade B maple syrup shall meet the density requirements of Grade A Light Amber. Grade B maple syrup may have a flavor stronger than Grade A Dark Amber, shall not be damaged in any way and it shall be free of sugar crystals.

Ohio ~~commercial~~Commercial  
Grade

Pure maple syrup which is free of any material other than pure, clean, clear liquid maple syrup in a sanitary condition. Commercial Grade shall have a color for light transmittance less than 27.0% Tc; Commercial Grade may have a strong flavor yet shall not be damaged in any way, shall be free of sugar crystals, and it shall have the same density as Grade A Light Amber.

Substandard

Bulk pure maple syrup which fails to meet the requirements of any other grade.

- (B) Any commercial color determining kit that provides an analysis of clarity and color comparable to that obtained by a spectrophotometer may be used to determine the grade listed on a label; however, in any dispute over the accuracy of a grade claim, a spectrophotometer shall be used to determine grade.

Effective:

R.C. 119.032 review dates: 10/31/2003

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Certification

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Date

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