

Technical Data Sheet

Eastman™ Glacial Acetic Acid, USP

Applications

- Pharmaceutical chemicals
- Pharmaceutical excipients

Product Description

This grade of acetic acid meets the requirements of the U. S. Pharmacopoeia (USP) and is produced under appropriate current good manufacturing practices (cGMP) for use in the production of pharmaceuticals.

Typical Properties

Property	Typical Value, Units
General	
Molecular Weight	60.06
Empirical Formula	C ₂ H ₄ O ₂
Form	Liquid
Color	Colorless
Specific Gravity @ 25°C	1.051
Assay	99.5-100.5 wt %
Boiling Point @ 760 mm Hg	118 °C (244 °F)
Freezing Point	16.4 °C (62 °F)
Vapor Pressure @ 20°C	11 mm Hg
Heat of Combustion	14.6 k·cal/g
Refractive Index	1.3698 n(25°C/D)
Viscosity @ 20°C	1.22 cP
Coefficient of Expansion @ 20°C	0.00107
Solubility Water In, @ 25°C	Miscible
Flash Point Tag Closed Cup	42 °C (109 °F)
Autoignition Temperature	516 °C (961 °F)

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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