

Technical Data Sheet
Eastman EastaPure™ Acetic Acid

Applications

- Electronic chemicals
- Lcd displays
- Process solvents

Key Attributes

- High Purity/Low Trace Metals
- High assay
- Strong acid compatibility

Product Description

Eastman EastaPure™ acetic acid has an extremely low metal content and is an excellent choice for use in etching solutions for semiconductor chips and other electronic applications.

Typical Properties

Property	Typical Value, Units
General	
Molecular Weight	60.06
Empirical Formula	C ₂ H ₄ O ₂
Form	Liquid
Color	
APHA	5 ppm, max
Assay	
by GC	99.7 wt %
Wt/Vol	
@ 20°C	1.023 kg/L (8.748 lb/gal)
Boiling Point	
@ 10 mm Hg	17 °C (63 °F)
@ 50 mm Hg	47 °C (117 °F)
@ 760 mm Hg	118 °C (244 °F)
Freezing Point	16.7 °C (62.1 °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	
in Water	Miscible
Water In, @ 25°C	Miscible
Flash Point	
Tag Closed Cup	42 °C (109 °F)
Fire Point	64 °C (147 °F)
Autoignition Temperature	516 °C (961 °F)
Explosion Limits	
Lower	6.6 %
Upper	19.3 %
Upper Limits for Trace Metals	

Aluminium (Al)	50 ppb
Arsenic and Antimony	5 ppb
Barium (Ba)	10 ppb
Boron	10 ppb
Cadmium (Cd)	10 ppb
Calcium (Ca)	25 ppb
Chromium (Cr)	20 ppb
Cobalt (Co)	10 ppb
Copper (Cu)	20 ppb
Gallium (Ga)	10 ppb
Germanium (Ge)	10 ppb
Iron (Fe)	100 ppb
Lead (Pb)	20 ppb
Lithium (Li)	10 ppb
Magnesium (Mg)	10 ppb
Manganese (Mn)	10 ppb
Nickel (Ni)	20 ppb
Potassium (K)	25 ppb
Silver (Ag)	10 ppb
Sodium (Na)	30 ppb
Strontium (Sr)	10 ppb
Tin	10 ppb
Titanium (Ti)	10 ppb
Zinc (Zn)	30 ppb

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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