

# Technical Data Sheet

## Eastman™ Ethyl Acetate, NF/EP, Kosher

### Applications

- Pharmaceutical chemicals

### Key Attributes

- Batch storage
- High assay
- ISO certified
- Inert - Food use with limitations
- Inert - Nonfood use
- Meets National Formulary (NF) and European Pharmacopoeia (EP) Monograph Specifications
- Produced under cGMP
- QA shipment batch record review
- Readily biodegradable
- Validated process

### Product Description

Eastman™ Ethyl Acetate, NF/EP, Kosher is a colorless, fragrant, low-boiling solvent. As a bulk pharmaceutical excipient, Ethyl Acetate, NF/EP, Kosher grade meets the National Formulary (NF) and European Pharmacopoeia (EP) monograph specifications and is a kosher product. All kosher products produced by Eastman are manufactured under rabbinical supervision in full accordance with Jewish dietary law.

Features of this product include:

- Produced in compliance with the Joint IPEC-PQG Good Manufacturing Practices Guide for Pharmaceutical Excipients 2006
- Kosher and Pareve, including Passover
- Produced at only one location (Longview, TX)
- Produced as discrete batches
- Quarantined after production is complete
- Batch record review by QA prior to release
- Validated test methods
- Residual Solvents testing
- Product is filtered when loading to shipping containers
- Shipping containers cleaned to food grade standards
- Prior contents of shipping containers verified not to be toxics/poisons
- Impurity profiling program
- Stability monitoring program
- Increased record retention

The chemical substances for this product are listed as Inert Ingredients Permitted for Use in Nonfood Use Pesticide Products, and in Food Use Pesticide Products with limitations, under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). For details on specific permissions, [click here](#).

### Typical Properties

Property	Typical Value, Units
<b>General</b>	
Acidity	
as Acetic Acid	0.10 wt % max.
Assay	99.5 wt % min.
Boiling Point	
@ 760 mm Hg	75.5-78 °C (167.9-172.4 °F)

Color	
Pt-Co	10 max.
Dilution Ratio	
Toluene	3.1
VMP Naphtha	1.1
Empirical Formula	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>
Ethyl Alcohol	0.01 wt % max.
Evaporation Rate	
(n-butyl acetate = 1)	4.1
Flash Point	
Tag Closed Cup	-4 °C (24 °F)
Freezing Point	-84 °C (-118 °F)
Molecular Weight	88.11
Refractive Index	
@ 20°C	1.37
Solubility	
in Water, @ 20°C	8 wt %
Water in, @ 20°C	3 wt %
Specific Gravity	
@ 20°C/20°C	0.9
Vapor Pressure	
@ 20°C	86 mm Hg
Water	0.05 wt % max.
Wt/Vol	
@ 20°C	0.9 kg/L (7.51 lb/gal)

## 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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