

**SALES SPECIFICATIONS**

Sales Specification No : 18545-11  
 Effective Date : 06/07/2019  
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**PRODUCT NAME****Eastman(TM) Ethyl Acetate, NF/EP****SPECIFICATIONS**

PROPERTY	LIMITS	TEST METHOD
<b>NF MONOGRAPH TESTS</b>		
Specific Gravity @ 25/25C	0.894 - 0.898	TXAL-A-XX-G-DEN-001
Acidity as ml of 0.1N NaOH, ml	0.10 MAX	TXAL-A-XX-G-VA-067
Readily Carbonizable Substances, P/F	PASS	TXAL-A-XX-G-VCC-038
Nonvolatile Residue, W%	0.02 MAX	TXAL-A-XX-G-GA-009
Identification, P/F	PASS	TXAL-A-XX-G-IR-004
Assay, W%	98.0 - 102.0	TXAL-A-XX-G-GC-013
Acetaldehyde, W%	0.1 MAX	TXAL-A-XX-G-GC-013
Ethyl Isobutyl Ether, W%	0.1 MAX	TXAL-A-XX-G-GC-013
Methyl Compounds	0.1 MAX	TXAL-A-XX-G-GC-013
Other Impurities	0.3 MAX	TXAL-A-XX-G-GC-013
Residual Solvents	PASS	TXAL-A-XX-G-GC-229
<b>EP MONOGRAPH TESTS</b>		
Appearance of Solution, P/F	PASS	TXAL-A-XX-G-VCC-118
Water, W%	0.050 MAX	TXAL-A-XX-G-VA-066
Relative Density @ 20/20C	0.898 - 0.902	TXAL-A-XX-G-DEN-001
Refractive Index @ 20°C	1.370 - 1.373	TXAL-A-XX-G-RI-001
Acidity, P/F	PASS	TXAL-A-XX-G-VA-067
Reaction with Sulfuric Acid, P/F	PASS	TXAL-A-XX-G-VCC-038
Residue on Evaporation, ppm	30 MAX	TXAL-A-XX-G-GA-009
Related Substances, Area%	0.2 MAX	TXAL-A-XX-G-GC-013

This product is in compliance with the requirements in USP General Chapters <232> Elemental Impurities, ICH Q3D Guideline for Elemental Impurities and EP Metal Catalyst or Metal Reagent Residues.

\*Ethyl Isobutyl Ether is also identified as 1-Ethoxy-2-methylpropane.  
 Eastman Chemical Company.

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