

## SALES SPECIFICATION

# EASTMAN

Specification No: 276FE-12  
Effective Date: 29 November 2018  
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### PRODUCT NAME

Eastman™ Propionic Acid, Feed Grade

### SPECIFICATIONS

PROPERTY	LIMITS	TEST METHOD
Assay by GC, %	99.5 – 100.5	TECE-A-CL-G-GC-41 <sup>1</sup> , or equivalent
Specific Gravity	0.993 – 0.997	FCC <sup>2</sup>
FCC Aldehydes	PASS (Limit approx. 0.05%)	TECE-A-CL-G-GC-41 <sup>1</sup> , or equivalent
FCC Lead, mg/kg (2.0 maximum)	PASS	TEAD-A-AN-G-ICP-84 <sup>3</sup> , or equivalent
FCC Nonvolatile Residue, W%	0.01 max.	USP/NF <sup>4</sup> , or equivalent
FCC Readily Oxidizable Subs	PASS (Limit approx. 0.05%)	FCC
FCC Water, %	0.15 max.	FCC
Distillation Range or Water/Propionic Acid	138.5° - 142.5°C or 0.09% max Water / 98.7% min Propionic Acid <sup>5</sup>	FCC or TECE-A-FCC-G-C-4 / TECE-A-CL-G-GC-41, or equivalent

### Additional Information

<sup>1</sup>TECE-A-CL-G-GC-41 has been validated to replace the FCC method.

<sup>2</sup>FCC = Food Chemicals Codex, current edition.

<sup>3</sup>TEAD-A-CL-G-ICP-84 has been validated to replace the FCC method.

<sup>4</sup>USP/NF (U.S. Pharmacopeia/National Formulary) method has been validated to replace the FCC method.

<sup>5</sup>Water by TECE-A-FCC-G-C-4 and Propionic Acid by TECE-A-CL-G-GC-41 meeting these specifications have been validated to replace the distillation range specification (138.5 – 142.5°C).

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Eastman Chemical Company · P.O. Box 511 · Kingsport, Tennessee 37662 USA · 1-800-EASTMAN · 1-423-229-2000 · www.EASTMAN.com

*For reasons of safety and accuracy, the person performing this procedure must be thoroughly trained and under the supervision of a professional person who is knowledgeable in the relevant science. Equipment and materials described should be used in accordance with safety precautions recommended by their manufacturers. Limits in this specification are applicable only to data obtained by the referenced test method.*

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