

# Product Specification

**Ethanol, Grain Derived, 200 Proof**

**Lot Number:** SAMPLE

**Product Number:** RSOE0013

**Date Packaged:** N/A

**Recommended Retest Date:** N/A

## Contains

Ethyl Alcohol CAS No. 64-17-5 MW 46.07

Test	Specification	Result
Acidity (as Acetic Acid)	max 0.003	N/A
Alkalinity (as NH <sub>3</sub> )	max 3	N/A
Assay	min 94.9 % (v/v)	N/A
Fusel Oil	To Pass Test	N/A
IR Identification	To Pass Test	N/A
Ketones/Isopropanol	To Pass Test	N/A
Lead (Pb)	max 0.50 mg/Kg	N/A
Methanol	< 200	N/A
Nonvolatile Residue	max 0.003 %	N/A
Organic Impurities (Other)	< 1000	N/A
Organic Impurities (Sum)	< 5000	N/A
Solubility in Water	To Pass Test	N/A
Specific Gravity @ 15.56°C	max 0.8161	N/A
Specific Gravity @ 25.0°C	max 0.8096	N/A
Substances Darkened by Sulfuric Acid	To Pass Test	N/A
Substances Reducing Permanganate	To Pass Test	N/A

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
RSOE0013-20E4	20 L metal can	36 months
RSOE0013-3.8A	3.8 L natural poly	36 months
RSOE0013-55E	55 gal poly drum	36 months
RSOE0013-5E4	5 gal metal drum	36 months

**Recommended Storage:** 15°C - 30°C (59°F - 86°F)

This document is designed to comply with ISO Guide 31 "Reference Materials --  
Contents of Certificates and Labels."

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