



Certificate of Analysis

Product: Reagent Alcohol, Ethanol Denatured
CAS# 64-17-5 (~90%)
Date of Manufacture: May-17-2023

CP-E9085
Lot# 230601-B057510
Expiration Date: May-16-2026

Meets ACS Specifications

Test	Specification	Result (units)
Appearance	Clear, Free of suspended Matter	Pass
Color (Pt-Co)	10 Max.	LT 10
Odor	Characteristic	Pass
Residue After Evaporation	10 ppm max.	LT 10ppm
Ethanol	89.5 – 91.5 %	90.51 %
Identification	To Pass Test	Pass
Isopropanol	4.5 – 5.5 %	4.93 %
Methanol	4.0 – 5.0 %	4.56 %
Substances Reducing KMnO_4	To Pass Test	Pass
Refractive Index	1.3580 – 1.3610 @ 25C	1.3585
SDA3A 200	94.0 – 96.0 %	95.07 %
Specific gravity	0.7902 – 0.7912 @ 20.0C	0.7902
Solubility in Water	To Pass Test	Pass
Titrateable Acid	0.0003 meq/g	LT 0.0003 meq/g
Titrateable Base	0.0002 meq/g	LT 0.0002 meq/g
Water	0.10 % max.	0.03 %

LT = Less Than

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