



Certificate of Analysis

Product: Reagent Alcohol, Ethanol Denatured
CAS# 64-17-5 (~90%)
Date of Manufacture: Dec-30-2022

CP-D9085
Lot# 221230-B044779
Expiration Date: Dec-29-2025

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 %	90.68 %
Identification	To Pass Test	Pass
Isopropanol	4.5 – 5.5 %	4.81 %
Methanol	4.0 – 5.0 %	4.51 %
Substances Reducing KMnO ₄	To Pass Test	Pass
Refractive Index	1.3580 – 1.3610 @ 25C	1.3585
SDA3A 200	94.0 – 96.0 %	95.19 %
Specific gravity	0.7902 – 0.7912 @ 20.0C	0.7903
Solubility in Water	To Pass Test	Pass
Titration Acid	0.0003 meq/g	LT 0.0003 meq/g
Titration Base	0.0002 meq/g	LT 0.0002 meq/g
Water	0.10 % max.	0.02 %

LT = Less Than

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