



### CERTIFICATE OF ANALYSIS

Product Name	Reagent Ethanol 200 Proof Anhydrous Grain Ethanol
Grade	Denatured with Methanol and Isopropanol
Avantik Item #	Specially Denatured Alcohol SDA 3A with Isopropyl Alcohol
Batch #	ACS Grade
Date of Manufacture:	RS4029
Recommended Retest Date:	240322-B082019
Customer PO #	03/13/2024
Packaging Type	03/13/2027
	PO112809
	Case Poly 4x1 Gal

TEST	MONO-GRAPH	SPECIFICATION	RESULT	UNITS
Ethanol	ACS	89.5 – 91.5%	90.47	%
Methanol	ACS	4.0 – 5.0%	4.55	%
SDA3A 200	ACS	94.0 – 96.0%	95.02	%
Isopropanol	ACS	4.5 – 5.5%	4.98	%
Water	ACS	0.10% max.	0.03	%
Residue After Evaporation	ACS	10ppm max.	LT 10 ppm	N/A
Appearance	Internal	Clear, Free of Suspended Matter	Pass	N/A
Specific Gravity	ACS	0.7902 - 0.7912 @ 20.0°C	0.7906	N/A
Color (Pt-Co)	Internal	10 Max.	LT 10	N/A
Odor	Internal	Characteristic	Pass	N/A
Titration Acid	ACS	0.0003 meq/g	LT 0.0003 meq/g	N/A
Titration Base	ACS	0.0002 meq/g	LT 0.0002 meq/g	N/A
Identification	ACS	To Pass Test	Pass	N/A
Substances Reducing KMnO4	ACS	To Pass Test	Pass	N/A
Solubility in Water	ACS	To Pass Test	Pass	N/A



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TEST	MONO-GRAPH	SPECIFICATION	RESULT	UNITS
Refractive Index	ACS	1.3580-1.3610 @ 25°C	1.3585	N/A

### Certification and Compliance Statements

This lot of Reagent Alcohol 200 proof complies with the American Chemical Society monograph, all of the above mentioned specifications and the requirements of 27 CFR Part 20.

This product is not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.

This product is for further commercial manufacturing, laboratory, or research use. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.