



CERTIFICATE OF ANALYSIS

Product Name	Reagent Ethanol 190 Proof Grain Ethanol Denatured with Methanol and Isopropanol
Avantik Item #	Specially Denatured Alcohol SDA 3A with Isopropyl Alcohol RS4031
Batch #	240322-B082020
Date of Manufacture:	03/14/2024
Recommended Retest Date:	03/14/2027
Customer PO #	PO112809
Packaging Type	Case Poly 4x1 Gal

TEST	MONO-GRAPH	SPECIFICATION	RESULT	UNITS
Ethanol	Internal	89.5 – 91.5%	90.28	%
Methanol	Internal	4.0 – 5.0%	4.66	%
SDA3A 190	Internal	94.0 – 96.0%	94.94	%
Isopropanol	Internal	4.5 – 5.5%	5.06	%
Specific Gravity	Internal	0.810 – 0.812 @ 20.0°C	0.811	N/A
Proof	Internal	Lot Analysis	190.6	N/A
Acidity (as acetic acid)	Internal	NMT 0.0025% (wt/wt)	LT 0.0025%	N/A
Color (Pt-Co)	Internal	10 Max.	LT 10	N/A
Odor	Internal	Characteristic	Pass	N/A

Certification and Compliance Statements

This lot of Reagent Alcohol 190 proof complies with all of the above-mentioned specifications and the requirements of 27 CFR Part 20. Product formula: 95.0% Denatured Alcohol and 5.0% Water.

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.



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