



CERTIFICATE OF ANALYSIS

Product Name	Isopropyl Alcohol 70%
Grade	USP/NF Grade
Catalog #	211USP/NF
Item #	100828
Batch #	211216-B009932
Date of Manufacture:	12/15/2021
Recommended Retest Date:	12/14/2026
Customer PO #	P18328
Packaging Type	Case Poly 4x1 Gal
Quantity for Delivery	8
Packaged by	Greenfield Global USA Inc, 1101 Isaac Shelby Drive, Shelbyville, KY 40065

TEST	MONO-GRAPH	SPECIFICATION	RESULT	UNITS
Acidity	NF	NMT 1.0 ml of 0.02N NaOH required for neutralization	0.2	ml
Appearance	NF	Clear	Pass	N/A
Assay (by specific gravity of distillate)	NF	0.950 - 0.955 @ 25°C	0.953	N/A
Assay (by volume)	NF	68.0 - 72.0%	69.2	%
Color APHA	NF	5 max	1	N/A
Identification	NF	Conforms to IR Spectrum	Pass	N/A
Limit of Non-Volatile Residue	NF	NMT 5 mg	1	mg
Specific Gravity @ 20oC	NF	0.872-0.883	0.880	N/A
Water (by volume)	NF	28.0 - 32.0%	30.8	%

Certification and Compliance Statements

This lot of Isopropyl Alcohol 70% complies with all of the current requirements listed in the United States Pharmacopeia and National Formulary Monographs. This lot of isopropyl Alcohol 70% was made with USP grade IPA and Deionized Water. 0.22 micron filtered.

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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, and may be used as a process solvent for pharmaceutical purposes. 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.

This document was electronically signed by Natalie Engelbrecht on 12/17/2021 1:18:53 PM to indicate Quality Assurance Approval and to release this batch.