



CERTIFICATE OF ANALYSIS

Product Name Isopropyl Alcohol 70%
 Grade USP/NF Grade
 Catalog # 211USP/NF
 Item # 100828
 Batch # 220331-B019875
 Date of Manufacture: 04/01/2022
 Recommended Retest Date: 03/31/2027
 Customer PO # P22683
 Packaging Type Case Poly 4x1 Gal

TEST	MONO-GRAPH	SPECIFICATION	RESULT	UNITS
Packaging Site	Internal	Greenfield Global USA Inc. 58 Vale Road, Brookfield, CT 06804 or 1101 Isaac Shelby Drive, Shelbyville, KY 40065	Shelbyville KY	N/A
Acidity	USP	NMT 1.0 ml of 0.020N NaOH required for neutralization	0.3	ml
Appearance	Internal	Clear	Pass	N/A
Assay (by specific gravity of distillate)	USP	0.950 - 0.955 @ 25°C	0.953	N/A
Assay (by volume)	USP	68.0 - 72.0%	69.2	%
Color APHA	Internal	5 max	1	N/A
Identification	Internal	Conforms to IR Spectrum	Pass	N/A
Limit of Non-Volatile Residue	USP	NMT 5 mg	0	mg
Specific Gravity @ 20oC	USP	0.872-0.883	0.880	N/A
Water (by volume)	Internal	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 Garrett Lipic on 4/6/2022 9:10:02 AM to indicate Quality Assurance Approval and to release this batch.