



CERTIFICATE OF ANALYSIS

Product Name Isopropyl Alcohol 70%
 Grade USP/NF Grade
 Catalog # 211USP/NF
 Item # 100828
 Batch # 220217-B016317
 Date of Manufacture: 03/02/2022
 Recommended Retest Date: 03/01/2027
 Customer PO # P20050
 Packaging Type Case Poly 4x1 Gal
 Quantity for Delivery 4

| 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 | 0.2 | 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

www.pharmco.com | www.greenfield.com



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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.

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 3/4/2022 2:06:30 PM to indicate Quality Assurance Approval and to release this batch.