

CERTIFICATE OF ANALYSIS

Product Name: ISOPROPANOL 70%
Grade: Meets USP/NF Reagent Monographs
Catalog # 211USP/NF, zp211USP/NF
Lot # K21C1502600IPA70CH01
Date of Manufacture: 03/17/21
Recommended Retest Date: Five Years from Date of Manufacture
Manufactured by: Greenfield Global USA Inc. 1101 Isaac Shelby Drive, Shelbyville KY 40065
Packaged by: Greenfield Global USA Inc. 1101 Isaac Shelby Drive, Shelbyville KY 40065
Country of Origin USA

TEST	SPECIFICATION	RESULT
Appearance	Clear	Pass
Assay (by specific gravity of distillate)	0.950 - 0.955 @ 25°C	0.953
Assay (by volume)	68.0 - 72.0%	69.6%
Water (by volume)	28.0 - 32.0%	30.4%
Specific Gravity @ 20°C	0.872-0.883	0.879
Acidity	NMT 1.0 ml of 0.02N NaOH required for neutralization	0.2 mL
Limit of Non-Volatile Residue	NMT 5 mg	0 mg
Color (APHA)	5 max	<1
Identification	Conforms to IR Spectrum	Pass

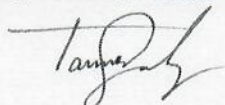
Certification and Compliance Statements

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 purified 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 an excipient or 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.

Approved by: T. Sauley, Chemist



Date: 03/17/21