

**Isopropyl Alcohol 70%
made with Water for Injection (WFI)**

Grade: USP/NF

Catalog number: ZP211WFI/USP

Test	Mono-graph	Specification	Typical Result
Assay (by specific gravity of distillate)	USP	0.950 - 0.955 @ 25°C	0.953
Assay (by volume)	USP	68.0 - 72.0%	69.7 %
Water (by volume)	Internal	28.0 - 32.0%	30.3 %
Specific Gravity @ 20°C	USP	0.872-0.883	0.879
Appearance	Internal	Clear	Pass
Color APHA	Internal	5 max	1
Identification	Internal	Conforms to IR Spectrum	Pass
Limit of Non-Volatile Residue	USP	NMT 5 mg	0 mg
Acidity	USP	NMT 1.0 ml of 0.020N NaOH required for neutralization	0.4 ml
Bacterial Endotoxins	Internal	<0.25 EU/ml	LT 0.06 EU/mL

Certification and Compliance Statements

This product complies with all of the current requirements listed in the United States Pharmacopeia and National Formulary Monographs. This product is made with USP Grade Isopropyl Alcohol and USP Grade Water for Injection.

This product is not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.

No chemicals whatsoever are used as solvents at any point in the manufacture, processing, or packaging of Isopropyl Alcohol. Only Class 2 and Class 3 residual solvents may appear as impurities / related substances / low level contaminants in IPA. Concentration of Class 2 Option 1 and Class 3 residual solvents is below limits in the current USP/NF General Chapter <467> and ICH Q3C Impurities: Residual Solvents.

This product is not certified as sterile. This product is not for direct human or veterinary parenteral administration, infusion, inhalation, or irrigation.

Greenfield products are for further commercial manufacturing, laboratory use, or research. Greenfield is not registered with the United States Food and Drug Administration (FDA) as a drug manufacturing facility. Greenfield products are not registered with the FDA as active pharmaceutical ingredients in drug manufacturing.

Appropriate/legal use of all products are the responsibility of the user and subject to applicable local laws and regulations.