



PRODUCT SPECIFICATION SHEET
ISOPROPYL ALCOHOL (IPA)
GLASS PURIFIED, GLASS DISTILLED
Meets HRGC/HPLC-TRACE GRADE Monographs

Main Catalog No: 231DIS0099
 Alt. Cat. No's: 231000099, 231HPLC99, 231ACS099

Available in the following sizes:

4x4 liter Amber Glass, 6x1 liter Amber Glass

GC Analysis of this product using an electron capture detector shows no peaks with a response greater than 10ppt as Heptachlor Epoxide.

Product Specifications	Limits	Typical Lot Analysis
GC-ECD	5 ppt max	1.5 ppt
UV Absorbance @ 205 nm	1.00 max	0.72
210 nm	0.60 max	0.28
220 nm	0.30 max	0.11
240 nm	0.10 max	0.03
260 nm	0.03 max	0.01
275 nm	0.02 max	0.00
280 nm	0.01 max	0.00
300 nm	0.01 max	0.00
400 nm	0.01 max	0.00
Assay, (GC), min	99.9%	99.99%
Residue After Evaporation	3 ppm max	<1 ppm
Boiling Range, within 1C inc. 82.3+/-0.1C	Conforms	Pass
Color (APHA), max	10	<5
Fluorescence Background	1 ppb	< 1ppb
Appearance	Clear	Clear
Density @ 25C	0.781-0.783 g/ml	0.7815g/ml
Refractive Index @ 25C	1.3740-1.3760	1.37518
Solubility in Water	To Pass Test	Pass
Titration Acid, max	0.0001 meq/g	0.00007
Titration Base, max	0.0001 meq/g	<0.00001
Water, max	0.05%	0.02%
Carbonyl Compounds each of Propionaldehyde or Acetone	0.002% max	Pass
Liquid Chromatography (ACS)	To pass test(s)	
Absorbance (UV)		Pass
Gradient Elution		Pass
Gradient Analysis @	254 nm	Pass
Identification (IR/GC)	To Conform	Pass
Filtered to 0.2 um max	Per Lot	Pass

Form Isopropanol 99%-Distilled, # 201, Rev. 2.5, 06/16, KAD

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.