



**PRODUCT SPECIFICATION SHEET**  
**231USP/NFDM55 ISOPROPYL ALCOHOL**  
**99% REAGENT ACS / USP/NF GRADE**

Recommended Retest Date: Three years from date of manufacture

<b>PRODUCT SPECIFICATIONS</b>	<b>MONO GRAPH</b>	<b>LIMITS</b>	<b>TYPICAL RESULT</b>
Assay by GC, corrected for water, min.	ACS USP	99.5% 99.0%	99.96%
Identification (IR)	USP	To Pass	Pass
Color (APHA), max.	ACS	NMT 10	<10
Appearance	ACS	Clear liquid	Clear
Solubility in Water	ACS	Solution as clear as equal volume of water	Pass
Residue After Evaporation, max.	ACS	0.001%	0.0005%
Limit of Non-Volatile Residue, max.	USP	2.5 mg/50mL	0.5 mg
Titration Acid or Base, max.	ACS	0.0001 meq/g	Pass
Acidity	USP	NMT 0.70 ml of 0.02N NaOH required for neutralization	0.25ml
Water, max.	ACS	0.2%	0.02%
Carbonyl Compounds 0.002% max each of Propionaldehyde or Acetone	ACS	0.002%	<0.001%
Refractive Index @ 20C	USP	1.376-1.378	1.377
Specific Gravity @ 25C	USP	0.783-0.787	0.783

Form Isopropanol 99% ACS/USP/NF, # 301, Rev. 2.4, 3/11, EF

**Disclaimer:** For Industrial, Pharmaceutical, Flavor & Fragrance or Lab Use. Not intended for use as an active substance in Food or Drug. Not to be considered a Medical Device. Not intended for use as a Disinfectant as defined by the EPA. The appropriate use of this product is the sole responsibility of the user. (Rev. # disclaimer only, rev 3.5, 11/06, EF)