



PRODUCT SPECIFICATION SHEET
REAGENT ALCOHOL (Denatured 200 Proof)
Meets General Use HPLC Grade-UV Monographs
Grain Derived Ethanol
 Main Catalog #: 241HPLC200-Package Size Code*

Available in the following sizes:

*Refer to the Master Price List – Individual package sizes have unique size codes

Test	Specification	Result
Assay (by GC) (v/v)	89.5 – 91.5% Ethanol	90.93 %
	4.0 – 5.0% Methanol	4.25 %
	4.5 – 5.5% IPA	4.82 %
Assay: Specially Denatured Alcohol Formula 3A (200 proof)(v/v)	94.0 – 96.0%	95.18 %
Isopropyl Alcohol (2-Proanol)(v/v)	4.0 – 6.0%	4.82 %
Water (H ₂ O)(by Karl Fischer titrn)	0.1%	0.04 %
Residue After Evaporation	Max. 5 ppm	<5ppm
Appearance	Clear, Passes Test	Pass
Specific Gravity @ 20°C	0.7902 - 0.7912	0.7904
Specific Gravity @ 25°/25°C	0.785 – 0.795	0.7870
Color, Pt-Co (APHA)	Max. 5	<5
Odor	Pass	Pass
Titration Acid	0.0003 meq/g	0.0001meq/g
Titration Base	0.0002 meq/g	0.00005meq/g
Fluorescence	Pass	Pass
Identification	Pass	Pass
Subs. Reducing KMnO ₄	Pass	Pass
Solubility In Water	Pass	Pass
Refractive Index @ 25C	1.3580-1.3610	Pass
Ultraviolet Absorbance (1.00-cm cell vs. water)(curve smooth throughout stated range with no extraneous impurity peaks):		
UV @ 205nm	Max. 1.00	0.87
UV @ 210nm	Max. 0.60	0.50
UV @ 220nm	Max. 0.30	0.27
UV @ 230nm	Max. 0.20	0.14
UV @ 250nm	Max. 0.05	0.02
UV @ 270nm	Max. 0.01	0.01
UV @ 400nm	Max. 0.01	0.00
LC Suitability	To Pass	Pass

Form: Reagent Alcohol, 200, HPLC, #201, Revision 2.0, 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.