

**PRODUCT SPECIFICATION SHEET**  
**COMPLETELY DENATURED ALCOHOL 12A-2 / 200 PROOF**  
 (ANHYDROUS ETHANOL DENATURED WITH n-HEXANE)

*Grain Derived Ethanol*

Catalog # / Product Code: 12312A2200-Size Code\*

Available in the following sizes:

*Refer to Master Price List – Individual package sizes have unique size codes
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<b>TEST</b>	<b>SPECIFICATION</b>	<b>TYPICAL RESULT</b>
Ethanol, 200 Proof	95.24% (v/v)	Pass
n-Hexane	4.76% (v/v)	Pass
Water Content	0.2% (wt/wt) max.	0.03%
Appearance	Clear colorless liquid	Pass
Odor	Characteristic	Pass
Color (Pt-Co)	10 max.	<10
Apparent Specific Gravity	0.787 – 0.791 @ 15.56°C	0.790
Titration Acid	0.0005 meq/g max.	0.0002 meq/g
Titration Base	0.0002 meq/g max.	<0.0001 meq/g
Residue on Evaporation	0.001% max.	<0.001%
Sulfur Compounds (as S)	0.0050% max.	0.0000%
Acetone	20 ppm max.	None Detected
Isopropyl Alcohol	20 ppm max.	None Detected
Methanol	20 ppm max.	None Detected
Acetaldehyde and Acetal	10 ppm max.	None Detected
Benzene	2 ppm max.	None Detected
Toluene	2 ppm max.	None Detected
Sum of all other impurities	50 ppm max.	None Detected
Heavy Metals (as Pb)	0.5 mg/kg max.	<0.5 mg/kg

Form: CDA 12A-2, 200, Rev.1.1, 04/19, PJM

**Authorized Uses:**

**As a solvent: Cellulose plastics; Non-cellulose plastics, including resins; Adhesives and binders; Processing glandular products, vitamins, hormones, and yeasts; Processing antibiotics and vaccines; Processing medicinal chemicals (including alkaloids); Processing blood and blood products; Processing dyes and intermediates; Processing perfume materials and fixatives; Processing rosin; Processing other chemicals; Processing miscellaneous products; Sterilizing and preserving solutions.**

**As a raw material: Miscellaneous ethyl esters; Ethylamines; Dyes and intermediates; Drugs and medicinal chemicals; Other chemicals.**

**Miscellaneous uses: Product development and pilot plant uses (own use only).**

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.