



PRODUCT SPECIFICATION SHEET
COMPLETELY DENATURED ALCOHOL 12A-1 / 190 PROOF
 (ETHANOL DENATURED WITH n-HEPTANE)

Grain Derived Ethanol

Catalog # / Product Code: 12312A1190-Size Code*

Available in the following sizes:

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

TEST	SPECIFICATION	TYPICAL RESULT
Ethanol, 190 Proof	95.24% (v/v)	Pass
n-Heptane	4.76% (v/v)	Pass
Apparent Specific Gravity	0.808-0.810 @ 15.56C	0.809
Acidity ((wt/wt)% as acetic acid)	0.0025% max	0.001%
Odor	Characteristic	Pass
Color (Pt-Co)	10 Max.	<10

Form: CDA 12A-1, 190, Rev.1.0, 01/19, EF

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.