



**PRODUCT SPECIFICATION SHEET**  
**COMPLETELY DENATURED ALCOHOL 12A-2 / 190 PROOF**  
 (ETHANOL DENATURED WITH n-HEXANE)

*Grain Derived Ethanol*

Catalog # / Product Code: 12312A2190-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-Hexane                          | 4.76% (v/v)          | Pass           |
| Apparent Specific Gravity         | 0.807-0.809 @ 15.56C | 0.808          |
| Acidity ((wt/wt)% as acetic acid) | 0.0025% max          | 0.001%         |
| Odor                              | Characteristic       | Pass           |
| Color (Pt-Co)                     | 10 Max.              | <10            |

Form: CDA 12A-2, 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.