

**SDA 2B-3 190 Proof**

**Specially Denatured Alcohol Formula  
(Ethanol Denatured with Toluene)**

**Grain Derived Ethanol**

**Catalog number: 1232B3190**

Test	Specification	Typical Result
Ethanol (190 Proof)	99.50% (v/v) +/- 0.50%	Pass
Toluene	0.50% (v/v) +/- 0.025%	Pass
Apparent Specific Gravity	0.8120 – 0.8140 @ 20.0°C	0.8130
Color (Pt-Co)	10 Max.	LT 10
Odor	Characteristic	Pass
Acidity (as acetic acid)	NMT 0.0025% (wt/wt)	LT 0.0025%

**TTB Authorized Uses:**

*As a solvent:* Cellulose plastics; non-cellulose plastics, including resins; photographic film and emulsions; transparent sheeting; explosives; cellulose compounds (dehydration); sodium hydrosulfite (dehydration); other dehydration products; petroleum products; processing pectin; processing other food products; processing crude drugs; processing glandular products, vitamins, hormones, and yeasts; processing antibiotics and vaccines; processing medicinal chemicals (including alkaloids); miscellaneous drug processing (including manufacture of pills); processing dyes and intermediates; processing perfume materials and fixatives; processing photographic chemicals; processing other chemicals; processing miscellaneous products.

*As a raw material:* Ethyl acetate; ethyl chloride; other ethyl esters; sodium ethylate, anhydrous; ethylamines; dyes and intermediates; acetaldehyde; other aldehydes; ethyl ether; other ethers; ethylene dibromide; ethylene gas; xanthates; drugs and medicinal chemicals; organo-silicone products; other chemicals.

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

**Certification and Compliance Statements**

This product complies with all of the above mentioned specifications and the requirements of 27 CFR Part 21.

This product is not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.

Greenfield products are for further commercial manufacturing, laboratory use, or research. Greenfield is not registered with the United States Food and Drug Administration (FDA) as a drug manufacturing facility. Greenfield products are not registered with the FDA as active pharmaceutical ingredients in drug manufacturing.

Appropriate/legal use of all products are the responsibility of the user and subject to applicable local laws and regulations.