



PRODUCT SPECIFICATIONS

SDA 38F-4, 190 Proof

(Ethanol denatured with Peppermint Oil, Spearmint Oil and Boric Acid)

Grain Derived Ethanol

Main Catalog #: 12338F4190-size code*

Available in the following sizes:

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

Product Specifications	Limits	Typical Result
Ethanol, 190 Proof	98.55% (w/w)	Per Production Records
Additives	1.45% (w/w)	Per Production Records
Specific Gravity at 20C	0.816 – 0.818	0.8171
Specific Gravity at 15.56C	0.819 – 0.821	0.8203
Appearance	Free of Sediment	Pass

Form SDA38F-4 190, Rev. 1.2, 07/16, JMP

DENATURANTS FORMULA

DENATURANT	AMOUNT
Peppermint Oil	0.33 lb/100 gallons
Spearmint Oil	2.67 lb/100 gallons
Boric Acid	7.0 lb/100 gallons

Authorized Uses:

As a solvent: mouth washes, external pharmaceuticals (not U.S.P. or N.F.)

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.