



**PRODUCT SPECIFICATIONS SHEET
ETHYL ALCOHOL 20% (40 PROOF)**

Catalog Number: 111000040-Size Code*

Grain Derived Ethanol

Recommended Retest Date: Three Years from Date of Manufacture

Made with “USP Injection Grade Water”**

Available in the following sizes:

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

TEST	SPECIFICATION	TYPICAL RESULT
Assay	19.0 – 21.0% v/v	20.01%
Assay	15.5 – 17.0% wt/wt	16.48%
Specific Gravity (USP)	0.9749 – 0.9769 @ 15.56 C	0.9759
Specific Gravity (USP)	0.9747 – 0.9757 @ 20.00 C	0.9752
Acidity (USP)	To Pass Test	Pass
Appearance	Clear liquid, free from sediment	Pass
Color (Pt-Co) (ACS)	10 max.	<10
Odor	Characteristic	Pass
Bacterial Endotoxins (USP)	≤ 19.2 EU/mL	<0.24 EU/mL
Bioburden – Yeast & Mold (USP)	≤ 10 CFU/100 mL	<5 CFU/100mL
Bioburden – Plate Count (USP)	≤ 10 CFU/100 mL	<5 CFU/100mL

Form: Ethanol 40 proof, Pure, rev. 1.8, 08/15, KD

**This product is made with USP Injection Grade water. Greenfield Global USA Inc. is not certifying the finished product as injection grade. The suitability of the finished product for injection purposes is the sole responsibility of the end user.

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.