



PRODUCT SPECIFICATIONS SHEET

Product Name Ethyl Alcohol 20% made with Purified Water
 Catalog # Grain Derived Ethanol ZP111USPW40

| TEST | MONO-GRAPH | SPECIFICATION | TYPICAL RESULT |
|------------------|------------|----------------------------------|----------------|
| Assay (v/v) | Internal | 19.0 % – 21.0 % | 20.01 % |
| Assay (wt/wt) | Internal | 15.5 - 17.0% | 16.28 % |
| Specific Gravity | Internal | 0.9749 - 0.9769 @ 15.56°C | 0.9759 |
| Specific Gravity | Internal | 0.9747 - 0.9757 @ 20.00°C | 0.9752 |
| Acidity | Internal | To Pass Test | Pass |
| Appearance | Internal | Clear liquid, free from sediment | Pass |
| Color (Pt-Co) | Internal | 10 max. | 1 |
| Odor | Internal | Characteristic | Pass |

This product is made with USP Grade Ethyl Alcohol and USP Grade Purified Water.

This product is for further commercial manufacturing, laboratory, or research use, and may be used as 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.