

### Certificate of Analysis

**Product: Ethanol 190 Proof**  
**Item Number: EAP190**  
**Grade: USP/FCC**  
**Lot Number: 298548**  
**Manufacture Date: 03/07/2023**  
**Expiration Date: 03/06/2024**  
**Country of Origin: United States**

Tested Property	Specification	Analysis
Specific Gravity @ 60°F (15.56°C)	0.812 - 0.816	0.815
Proof	189.8 - 192.0	190.2
Ethyl Alcohol, % volume	94.9 - 96.0	95.1
Identification Test B (IR)	Passes Test	Pass
Appearance	Bright and clear, free of suspended matter	Pass
Odor	Characteristic of ethanol	Pass
Color of solution	Passes test	Pass
Clarity of solution	Passes test	Pass
Acidity or Alkalinity	Passes Test (NMT 30 ppm as acetic acid)	<30
Limit of Nonvolatile Residue	NMT 2.5mg/100ml	<2.5
Ultraviolet Absorption	Passes test	Pass
Organic Impurities: Benzene	NMT 2 ppm	<2
Organic Impurities: Acetaldehyde and Acetal	NMT 10 ppm	<10
Organic Impurities: Methanol	NMT 200 ppm	<200
Organic Impurities: Other Impurities	NMT 300 ppm	<300

#### [Ethanol 190 Proof](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are

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