



Certificate of Analysis

Ethanol 190 Proof

CAS # 64-17-5

Customer: Solvent Direct
Date: January 13, 2021
PO: 1677
Lot: 2210168
Net weight: 55 gal

Characteristics	Specifications	Result
Specific Gravity @ 60°F (15.56°C)	0.812-0.816	0.816
Proof	189.8-192.0	190.1
Purity, % Volume	94.9-96.0	95.0
Identification Test B (IR)	Passes Test	Pass
Appearance	Bright and Clear	Pass
Odor	Characteristic Ethanol	Pass
Color	Passes Test	Pass
Clarity	Passes Test	Pass
Acidity or Alkalinity (NMT 30 ppm as acetic acid)	Passes Test	Pass
Nonvolatile Residue	NMT 2.5mg/100ml	Pass
Ultraviolet Absorption	Passes Test	Pass
Benzene, ppm	2	Pass
Acetaldehyde, ppm	10 max	Pass
Methanol, ppm	200 max	Pass
Other Impurities, ppm	300 max	Pass

This product meets USP monograph specifications

No USP Class 1, 2, 3, or other residual solvents are used in manufacturing or handling.

Shelf life recommendation: Retest one (1) year from above date to confirm fitness for use

Note: The information and recommendations of Solvent Direct, Inc. concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate however Solvent Direct assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for a particular purpose are made without warranty, expressed or implied.

V 1.2 Ethanol 190 Proof COA Template R.D. 09/25/2018