



**CERTIFICATE OF ANALYSIS**  
**REAGENT ALCOHOL / 200 PROOF (ANHYDROUS)**  
**ACS GRADE**  
**(ETHANOL DENATURED WITH METHANOL AND ISOPROPANOL)**  
*Grain Derived Ethanol*  
**LOT # C19F20**  
 Date of Manufacture: 06/24/2019  
 Recommended Retest Date: Three Years from Date of Manufacture  
**Catalog #: CP-C9086**

TEST	SPECIFICATION	RESULT
Assay (by GC) (v/v)	89.5 – 91.5% Ethanol 4.0 – 5.0% Methanol 4.5 – 5.5% IPA	90.43% Ethanol 4.52% Methanol 5.05 % IPA
Assay: Methanol and Ethyl Alcohol (SDA 3A 200 proof) (v/v) Isopropyl Alcohol (2-Propanol) (v/v)	94.0 – 96.0%	94.95% 5.00%
Water, max	0.1%	0.02%
Residue After Evaporation, max	5 ppm	<5 ppm
Appearance	Clear	Pass
Specific Gravity	0.7902-0.7912 @ 20 C	0.7903
Color (Pt-Co)	5 max	<5
Odor	Pass	Pass
Titration Acid	0.0003meq/g	<0.0003 meq/g
Titration Base	0.0002meq/g	<0.0002 meq/g
Fluorescent Background	Pass	Pass
Identification	Pass	Pass
Substances Reducing KMnO <sub>4</sub>	Pass	Pass
Solubility in Water	Pass	Pass
Refractive Index @ 25°C	1.3580-1.3610	1.3596
LC Suitability	Pass	Pass
Ultraviolet Absorbance	205 nm	1.00 max 0.75
	210 nm	0.60 max 0.37
	220 nm	0.30 max 0.18
	230 nm	0.20 max 0.09
	250 nm	0.05 max 0.01
	270 nm	0.01 max 0.00
	400 nm	0.01 max 0.00

Approved by: T.Boureau, QC Chemist

**Disclaimer:** For Industrial/Lab use only. Not intended as a Drug Substance, Medical Device or Disinfectant. Appropriate/legal use of this product is the responsibility of the user. (Rev. # disclaimer only, rev 3.6 07/15 PD). This product has never been in contact with bovine or any animal material.