



**CERTIFICATE OF ANALYSIS**  
**REAGENT ALCOHOL / 200 PROOF (ANHYDROUS)**  
**ACS GRADE**  
**(ETHANOL DENATURED WITH METHANOL AND ISOPROPANOL)**  
*Grain Derived Ethanol*  
 LOT # K19H12234  
 Date of Manufacture: 08/14/2019  
 Recommended Retest Date: Five Years from Date of Manufacture  
**Main Catalog #: CP-T9085**  
 Alt. Catalog #: CP-D9085P

TEST	SPECIFICATION	RESULT
Assay (by GC) (v/v)	89.5 – 91.5% Ethanol 4.0 – 5.0% Methanol 4.5 – 5.5% IPA	90.63% Ethanol 4.48% Methanol 4.89 % IPA
Assay: Methanol and Ethyl Alcohol (SDA 3A 200 proof) (v/v) Isopropyl Alcohol (2-Propanol) (v/v)	94.0 – 96.0% 4.0 – 6.0%	95.11% 4.89%
Water, max	0.2%	0.03%
Residue After Evaporation, max	10 ppm	<10 ppm
Appearance	Clear	Pass
Specific Gravity	0.7902-0.7912 @ 20 C	0.7904
Color (Pt-Co)	10 max	<10
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	1.3588

Approved by: G. Lipic, QC Chemist 08/14/19

This lot of Reagent Alcohol 299 Proof complies with the ACS monograph, all the above mentioned specifications and the requirements of 27 CFR part 20. This product is not derived, nor does it come in contact with , any materials derived from bovine or other animal sources.

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)

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