



CERTIFICATE OF ANALYSIS

Product Name REAGENT ALCOHOL 200 proof (Anhydrous), General Use HPLC/UV
 Grain Derived Ethanol Denatured with METHANOL and ISOPROPANOL
Grade Meets ACS Grade Monograph
Catalog # 241HPLC200
Lot # C21A2800200RE200AT02
Date of Manufacture: 01/29/21
Recommended Retest Date: Three Years from Date of Manufacture

TEST	SPECIFICATION	RESULT
Assay (by GC):	Ethanol	89.5 – 91.5%
	Methanol	4.0 – 5.0%
	Isopropanol	4.5 – 5.5%
Assay:	SDA3A 200	94.0 – 96.0%
	Isopropanol	4.0 – 6.0%
Water	0.1% max.	0.01%
Residue After Evaporation	5 ppm max.	<5 ppm
Specific Gravity	0.7902 - 0.7912 @ 20.0°C	0.7903
Specific Gravity	0.785 - 0.795 @ 25.0°C	0.787
Color (Pt-Co)	5 Max.	<5
Appearance	Clear Liquid	Pass
Odor	Characteristic	Pass
Identification	To Pass Test	Pass
Titration Acid	0.0003 meq/g	<0.0003 meq/g
Titration Base	0.0002 meq/g	<0.0002 meq/g
Substances Reducing KMnO ₄	To Pass Test	Pass
Solubility in Water	To Pass Test	Pass
Refractive Index	1.3580-1.3610 @ 25°C	1.3591
Ultraviolet Absorbance	205nm	1.00 max
	210nm	0.60 max
	220nm	0.30 max
	230nm	0.20 max
	250nm	0.05 max
	270nm	0.01 max
	400nm	0.01 max
Fluorescence Background	To Pass Test	Pass
LC Suitability	To Pass Test	Pass