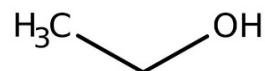




Product Specification

Product Name	USP Ethanol, 190 Proof
Product Number	10074-190
CAS Number	64-17-5
Formula	C ₂ H ₆ O
Formula Weight	46.069 g/mol
Rev.	1
Release Date	8/27/2020



Parameter	Method	Specification	Units
Ethanol Content	USP 43	94.9 - 96.0	Vol%
Water	USP 43	4.0 - 5.1	Vol%
Non-volatile residue	USP 43	<2.5	mg
Methanol	USP 43	<200	μL/L
Acetaldehyde + Acetal	USP 43	<10	μL/L
Benzene	USP 43	<2	μL/L
Sum of all other impurities	USP 43	<300	μL/L
Specific Gravity @ 15.56C	USP 43	0.812 - 0.816	
Acidity or Alkalinity (as Acetic Acid)	USP 43	<30	μL/L
Clarity of Solution	USP 43	Clear & free	
Color, APHA	USP 43	<10	
ID A - specific gravity @ 15.56	USP 43	Pass	
ID B - IR	USP 43	Pass	
Ethanol UV Absorbance	USP 43		
Absorbance at 240 nm		<0.4	
Max absorbance at 250-260 nm		<0.3	
Max absorbance at 270-340 nm		<0.1	
Absorbance curve between 235-340 nm		Smooth	



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