

Certificate of Analysis: 190 Proof Ethanol USP Grade

DATE: 9/11/2023

PRODUCT:190 Proof Ethanol- USP

BVV PRODUCT NUMBER:E-190--XX

LOT NUMBER: 0000240211

Specifications

				
<u>Property</u>	<u>Min</u>	<u>Max</u>		<u>Assay</u>
Proof	189.0	191.00	Density Meter	190.00
Alcohol, % (By Vc,lume)	94.95	95.50	Density Meter	94.98
Specific Gravity@ 15.56C, in air	0.81406	0.816	Density Meter	0.81593
Nonvolatile Residue in 100ml, mg	0.0	2.5	USP	0.0
Identification Test B			IR	Pass
Color, As Is			UV	Pass
Clarity, as is, UV/VIS Method			UV	Pass
Alkalinity/Acidity: <30ppm Acetic Acid			USP	Pass
UV Against Water@240nm: 0.40max			UV	Pass
UV Against Water @ 250-260nm: 0.30 max			UV	Pass
UV Against Water@ 270-340nm: 0.10 max			UV	Pass
UV Curve, descending, no peaks/shoulders			UV	Pass
Acetaldehyde and/or Acetal, ppm	0.00	10.00	Gas Chromatograph	.048

NOTE:

BVV uses dedicated equipment in the process area for this product. BVV packaged this material to maintain Food Grade designation.

Please consult the SDS for further information.

BVV represents only that the Product shall meet the specifications herein. All transactions involving this Product are subject to BVV standard terms and conditions. BVV makes no additional representations or warranties, express or implied, through this COA.