



# CARBON CHEMISTRY

Carbon Chemistry Ltd., 34501 E. Quincy Ave., Watkins, CO 80137 | P: 888-466-8421

## Certificate of Analysis

### Ethanol 190 Proof

<b>PRODUCT NAME:</b>	Ehtanol 190 Proof	<b>GRADE:</b> USP
<b>BATCH NO:</b>	235428	<b>ISSUE DATE:</b> 4/12/2018
<b>TEST:</b>	<b>SPECIFICATION:</b>	<b>RESULT:</b>
Specific Gravity @60°F (15.56°C)	0.812 - 0.816	0.816
Proof	189.8 - 192.0	190.1
Ethyl Alcohol, % Volume	94.9 - 96.0	95.1
Identification Test	Passes Test	Pass
Appearance	Bright and clear, free of suspended matter	Pass
Odour	Characteristic ethanol	Pass
Colour of Solution	Passes	Pass
Clarity of Solution	Passes	Pass
Acidity or Alkalinity	Passes Test (NMT 30 ppm as acetic acid)	Pass
Limit of Nonvolatile Residue	NMT 2.5 mg/100 ml	Pass
Ultraviolet Absorption	Passes	Pass
Organic Impurities: Benzene	NMT 2 ppm	Pass
Organic Impurities: Acetaldehyde	NMT 10 ppm	Pass
Organic Impurities: Methanol	NMT 200 ppm	Pass
Organic Impurities: Other Impurities	NMT 300 ppm	Pass
	<b>CONCLUSION:</b> PASS	