



CERTIFICATE OF ANALYSIS

Client Name: Sunbeam Laboratories
 Date Reported: May 22nd, 2020
 Commodity Description: Ethanol
 Sample ID: 200 Proof Ethanol Undenatured
 Lab ID: 2005-574

The following analytical results were obtained on a sample submitted to our laboratory.

Method Name	Test Performed	Specs	Results
FCC	Assay % vol.	>94.9%vol	97.92
FCC	Acidity as acetic acid %	<0.003%	0.003
FCC	Alkalinity as NH3, mg/kg	<3mg/kg	2.0
FCC	Fusel Oil	PASS	PASS
FCC	Ketone, Isopropyl Alcohol	Pass	PASS
FCC	Lead, mg/kg	<0.5mg/kg	<0.1
FCC	Methanol	Pass	PASS
FCC	Non-Volatile Residue	<0.003%	0.001
FCC	Solubility in water	Pass	PASS
FCC	Substances darkened by sulfuric acid	Pass	PASS
FCC	Substances reducing permanganate	Pass	PASS

Sample was analyzed using Food Chemical Codex (FCC) methodologies in accordance with the FCC Monograph for Alcohol. Based on these results, the sample meets the necessary specifications for FCC grade ethanol.

Tyler Hack | Lab Supervisor - Agri



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