

Little Sioux Corn Processors
 4808 F Avenue
 Marcus, IA 51035
 PHONE: [REDACTED] FAX [REDACTED]

CERTIFICATE OF ANALYSIS
Denatured Fuel Ethanol

Tank Loading Date: 02/07/2020
 Tank: 8422

Quality Parameter	Result	Range	Method
Ethanol	96.76	92.1 min	ASTM D5501
Methanol	0.52	0.5 max	ASTM D5501
Water	.84	1.0 max	ASTM E 203 or E1064
Acidity (as acetic acid)	0.0002	0.007 max	ASTM D7795
pHe	7.24	6.5 to 9.0	ASTM D6423
Apparent Proof	199.98		Hydrometer
Denaturant Content	2.10	1.96 to 2.49	Volumetric measure or D5501
*-Inorganic Chloride	<1	5 max	ASTM D7319
Existent sulfate	2.219	4 max	ASTM D7319
*-Copper	<0.03	0.1 max	ASTM D1688
Sulfur	4	10 max	T3 Calc
*-Solvent-washed gum	<0.5	5.0 max	ASTM D381
#-Benzene	0.109	0.06 max	ASTM D5580
#-Aromatics	0.131	1.7 max	ASTM D5580
#-Olefins	0.0218	0.5 max	ASTM D6550
Appearance	clear and bright	Clear and Bright	Visual
Density at 15.56C	79312		ASTM D4052
Corrosion Inhibitor	CorrProN 8.9lbs 1000bbls		
Certified by/cert date	LSCP LAB 2.7.20		
Tank	8422		
Date of 3rd party lab test	11.6.19m 11.6.19q		

* 3rd party lab tested, # Denaturant meets
 CARB specs.

This product meets or exceeds both
 Magellan specifications for ethanol
 and ASTM D 4806 Specifications