



Fulton Ethanol Plant
Sunoco Retail, LLC
P.O. Box 427
Fulton, NY 13069
(315) 593-0506

September 29, 2018 0:9

SUNOCO Fulton Laboratory
P.O. Box 427
Fulton, NY 13069

THIS CERTIFICATE OF ANALYSIS IS VALID ONLY FOR THE SHIPMENT AS DESCRIBED IN THE SHIPMENT INFORMATION SHOWN BELOW.

Product/Grade: Denatured Fuel Ethanol Container #:
Batch Number: 6404-70244-18-1246 Load/Mfg Date: 29-SEP-18
Sun Order #: Weight/Qty:

Test	Units	Method	Result	Sun Specs	
				Min Spec	Max Spec
ETHANOL	V/V%	D5501	97.1	92.1	
WATER	V/V%	E1064	0.9		1.0
APPEARANCE	PASS/FAIL	D4176 P1@21C	PASS		
ACIDITY	weight %	D1613	0.003		0.007
PHE	pHe	D6423	7.5	6.5	9.0
EXISTENT SULFATE	mg/kg	D7319	1		4
METHANOL	V/V%	D5501	0.0		0.5
SULFUR CONTENT	ppm	CALC	3		10

PRODUCT GUARANTEES:

This product is produced to meet ASTM standard D4806 standard specification for Denatured Fuel Ethanol for blending with gasoline. Denaturant content is guaranteed to be between 1.96 and 2.5 vol%, inclusive, with an approved denaturant using metered volumes. The product contains a corrosion inhibitor added at a treat rate of up to 30 PTB. The following parameters are guaranteed:

SOLVENT WASHED GUM	5.0 MG/100ML MAX	D381
INORGANIC CHLORIDE CONTENT BY WT	6.7 PPM MAX	D7319,D7328
COPPER CONTENT	0.1 MG/KG MAX	D1688
SULFUR, MASS PPM	10. PPM MAX	D5453,D2622,D3120,D7039

Certified by
Sunoco Retail, LLC

Rick Patulski (Signature on File)
Quality Manager