

## **Ethanol CDA 19 190**

Product Specification - Version 6a

<b>Formulation</b>	<b>Amount</b>	<b>Lbs</b>	<b>Wt%</b>
Ethanol 190pf	100.00 usg	679.43 lbs	95.40
Heptane	1.00 usg	5.91 lbs	0.83
MIBK	4.00 usg	26.83 lbs	3.77
		712.18 lbs	100.00
Resultant Volume @ 60F per 27CFR	105.00 usg		

<b>Specifications</b>	<b>Target</b>	<b>Minimum</b>	<b>Maximum</b>	<b>Test Method</b>
Density @ 60F (lbs/gal)	6.783	6.746	6.813	ASTM D4052
Specific Gravity @ 60/60F	0.8143	0.810	0.818	ASTM D891
Suspended Matter (visual)		Free of suspended matter		ASTM D3741
Color (Pt-Co)			5	ASTM D5386/D1209
Odor		Characteristic		ASTM E769
Acidity as Acetic Acid (wt%)			0.005	ASTM D1613
Non Volatile Matter (g/100ml)			0.005	ASTM D1353
Water Content (wt%)			0.1	ASTM D1364
Gas Chromatography Analysis (wt% Anhydrous Basis)				
Ethanol	95.04	94.55	95.54	ASTM E1100
Heptane	0.90	0.81	0.98	ASTM E1100
MIBK	4.06	3.66	4.47	ASTM E1100

Notes: None

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Reason for revision:

Version 2a dated 7/20/06 GAT– New format.

Version 4a dated 12/25/06 GAT – Specification layout revised for posting on website.

Version 5a dated 11/5/13 GAT – Color D5386/D1209

Version 6a dated 7/31/14 GAT – Sasol Chemicals (USA) LLC

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