



Ethanol SDA 3A 190

Product Specification - Version 4a

Formulation	Amount	Lbs	Wt%
Ethanol 190pf	100.00 usg	679.43 lbs	95.35
Methanol	5.00 usg	33.15 lbs	4.65
		712.58 lbs	100.00
Resultant Volume @ 60F per 27CFR	105.00 usg		

Specifications	Target	Minimum	Maximum	Test Method
Density @ 60F (lbs/gal)	6.786	6.704	6.793	ASTM D4052
Specific Gravity @ 60/60F	0.8147	0.8050	0.8156	ASTM D891
Suspended Matter (visual)		Free of suspended matter		ASTM D3741
Color (Pt-Co)			5	ASTM D1209
Odor		Characteristic		ASTM E769
Acidity as Acetic Acid (wt%)			0.005	ASTM D1613
Non-Volatile Matter (g/100ml)			0.005	ASTM D1353
Gas Chromatography Analysis (wt% Anhydrous Basis)				
Ethanol	94.99	94.48	95.49	ASTM E1100
Methanol	5.01	4.51	5.52	ASTM E1100

Notes: None

Reason for revision:

Version 2a dated 7/1/06 GAT– New format.

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

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