



SOLVENTS & PETROLEUM SERVICE

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DENATURED ALCOHOL 190

Product Specification - Version 6a

<i>Formulation</i>	<i>Amount</i>	<i>Lbs</i>	<i>Wt%</i>
Ethanol 190pf	80.95 usg	550.02 lbs	81.35
IPA	4.05 usg	26.62 lbs	3.94
IPA	14.00 usg	92.08 lbs	13.62
n-Propyl Acetate	1.00 usg	7.43 lbs	1.10
		676.15 lbs	100.00
Resultant Volume @ 60F per 27CFR	100.00 usg		

<i>Specifications</i>	<i>Target</i>	<i>Minimum</i>	<i>Maximum</i>	<i>Test Method</i>
Density @ 60F (lbs/gal)	6.762	6.732	6.774	ASTM D4052
Specific Gravity @ 60/60F	0.8117	0.8084	0.8134	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
Gas Chromatography Analysis (wt% Anhydrous Basis)				
Ethanol	80.12	78.69	81.45	ASTM E1100
IPA	18.71	17.48	20.02	ASTM E1100
n-Propyl Acetate	1.17	1.07	1.29	ASTM E1100