



INSPECTORATE

A Bureau Veritas Group Company

Certificate of Analysis

Vessel / Shore Tank : Portable Fuel Trailer
Product : Aviation Gas 100 Low Lead
Client Reference : 53724.0-SA-GPS-SOW-USMK-1.0
Terminal / Port / Office : Tupelo Regional Airport
Job ID : 2011-003-01898
Sample Details : Trailer Portable Fuel Trailer
Comments : Fuel Meets ASTM D910 specifications

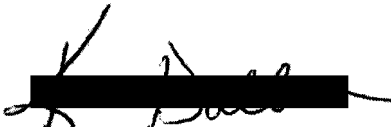
Sample Submitted By : IAC New Orleans
Analysis Performed By : IAC New Orleans
Date Sampled : 18-Aug-2011
Date Reported : 19-Aug-2011
Submission ID : 2011-003-01898

Method	Sample Number	2011-003-01898-001	
	Test	Result	Specification
ASTM D2700 Proc. A	Motor Octane Number	103.2	99.6 Min Passes
ASTM D3341	Lead, g/L / g/gal	0.448 / 1.70	0.56 g/L Max Passes
ASTM D86	Observed Barometric Pressure, kPa	100.9	
	Initial Boiling Point, ° C	36.3	
	5% Evaporated, ° C	61.5	
	10% Evaporated, ° C	71.3	75 Max Passes
	20% Evaporated, ° C	84.2	
	30% Evaporated, ° C	94.2	
	40% Evaporated, ° C	99.7	75 Min Passes
	50% Evaporated, ° C	102.8	105 Max Passes
	60% Evaporated, ° C	104.7	
	70% Evaporated, ° C	106.2	
	80% Evaporated, ° C	108.1	
	90% Evaporated, ° C	110.5	135 Max Passes
	95% Evaporated, ° C	113.7	
	Endpoint, ° C	125.7	
	Time From 95% to Endpoint, min	3.5	
	Recovery, %	98.2	97 % Min Passes
	Residue, %	1.2	1.5 % Max Passes
	Loss, %	0.6	1.5 % Max Passes
	10% + 50% Evaporated Temp	174.1	135 Min Passes
^{M(c)} ASTM D5191, EPA Calc.	Dry Vapor Pressure Equivalent, psi / kPa	6.31 / 43.5	38.0 - 49.0 kPa Passes
	Hazy	No	
ASTM D2386	Freezing Point, ° C / ° F	<-70.0 / <-94	-58.0 Max Passes
^{IAC} ASTM D2622	Sulfur Content, mass % / ppm (m/m)	0.0003 / 3	0.05 mass % Max Passes
ASTM D3338	Net Heat of Combustion, Sulfur Free Basis, BTU/l	18965 / 44.113	
	Net Heat of Combustion, BTU/lb / Mj/kg	18965 / 44.113	43.5 Mj/kg Min Passes
ASTM D130	Copper Corrosion at 100°C (212°F) for 2h	1a	1 Max Passes
ASTM D873	Precipitate, mg/100mL	<1	4 Max Passes
	Potential Gum, mg/100mL	<1	10 Max Passes
ASTM D1094	Volume Change	1.0	2 Max Passes
	Interface	1b	
	Separation	(2)	
ASTM D2624	Electrical Conductivity, pS/M	14	450 Max Passes
	Fuel Temperature, ° C	22	
^{IAC} ASTM D2392	Color	Acceptable	Passes
ASTM D4052	Test Temperature	15.0°C (59°F)	
	Density, kg/m3	704.1	

^{IAC} Analysis performed by alternative IAC laboratory.

^{M(c)} Modification (c) - Modification in the procedure of the method.

For Inspectorate:



Kathryn Dalton, Laboratory Manager