IAC Fort Lauderdale
4350 Oakes Road, Suite 521-A
Davie, Florida 33314 United States of America
T: 954-587-5116
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Certificate of Analysis

INSPECTORATE

Vessel / Shore Tank:	**SOL 5000**	**Sample Submitted By:**	**OfReg, Cayman Islands**
Product:	**Gasoline**	**Analysis Performed By:**	**IAC Fort Lauderdale**
Client Reference:		**Date Sampled:**	**12-Dec-2017**
Terminal / Port / Office:	**Cayman Islands**	**Date Received:**	**15-Dec-2017**
Job ID:	**577541-17-0057130**	**Date Reported:**	**19-Dec-2017**
Submission ID:	**041-1700635**		

Comments :

		041-1700635-01-003	SOL 5000 Submitted
	Method	**Test**	**Results**
	ASTM D130	Copper Corrosion at 50°C (122°F) for 3h	1a
	ASTM D381	Unwashed Gum , mg/100mL	3.5
		Washed Gum , mg/100mL	<0.5
IAC	ASTM D2699	Research Octane Number	95.5
IAC	ASTM D2700	Motor Octane Number	84.2
IAC	ASTM D4814	Antiknock Index (R+M / 2)	89.8
	ASTM D4176 Proc. 2	Sample Temperature , °C	20.0
		Haze Rating	No. 1
		Vortex Observance	No Particulate & Water
		Observations	None
	ASTM D86	Initial Boiling Point , ° F	88.3
		10% Evaporated , ° F	128.8
		50% Evaporated , ° F	234.7
		90% Evaporated , ° F	335.0
		Endpoint , ° F	394.8
		Recovery , %	97.6
		Residue , %	1.2
		Loss , %	1.2
	ASTM D3831	Manganese , ppm (mg/L)	3.8
	ASTM D5191, ASTM Calc.	Dry Vapor Pressure Equivalent , psi / kPa	8.84 / 60.9

IAC **Analysis performed by Alternate IAC Laboratory**

For Inspectorate

Ian Dobinson, Laboratory Manager

Dated Revision

12/19/17 2:15 PM

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Certificate of Analysis

INSPECTORATE

Vessel / Shore Tank:	**SOL 8000**	**Sample Submitted By:**	**OfReg, Cayman Islands**
Product:	**Gasoline**	**Analysis Performed By:**	**IAC Fort Lauderdale**
Client Reference:		**Date Sampled:**	**12-Dec-2017**
Terminal / Port / Office:	**Cayman Islands**	**Date Received:**	**15-Dec-2017**
Job ID:	**577541-17-0057130**	**Date Reported:**	**19-Dec-2017**
Submission ID:	**041-1700635**		

Comments :

	041-1700635-01-004	SOL 8000 Submitted
Method	**Test**	**Results**
ASTM D130	Copper Corrosion at 50°C (122°F) for 3h	1a
ASTM D381	Unwashed Gum , mg/100mL	2.5
	Washed Gum , mg/100mL	<0.5
IAC ASTM D2699	Research Octane Number	97.0
IAC ASTM D2700	Motor Octane Number	85.2
IAC ASTM D4814	Antiknock Index (R+M / 2)	91.1
ASTM D4176 Proc. 2	Sample Temperature , °C	20.0
	Haze Rating	No. 1
	Vortex Observance	No Particulate & Water
	Observations	None
ASTM D86	Initial Boiling Point , ° F	87.3
	10% Evaporated , ° F	128.1
	50% Evaporated , ° F	234.8
	90% Evaporated , ° F	333.9
	Endpoint , ° F	391.1
	Recovery , %	97.5
	Residue , %	1.2
	Loss , %	1.3
ASTM D3831	Manganese , ppm (mg/L)	19.7
ASTM D5191, ASTM Calc.	Dry Vapor Pressure Equivalent , psi / kPa	8.91 / 61.4

IAC **Analysis performed by Alternate IAC Laboratory**

For Inspectorate

Ian Dobinson, Laboratory Manager

Dated Revision

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Certificate of Analysis

INSPECTORATE

Vessel / Shore Tank:	**SOL ULSD**	**Sample Submitted By:**	**OfReg, Cayman Islands**
Product:	**Ultra Low Sulfur Diesel Fuel**	**Analysis Performed By:**	**IAC Fort Lauderdale**
Client Reference:		**Date Sampled:**	**12-Dec-2017**
Terminal / Port / Office:	**Cayman Islands**	**Date Received:**	**15-Dec-2017**
Job ID:	**577541-17-0057130**	**Date Reported:**	**21-Dec-2017**
Submission ID:	**041-1700635**		

Comments :

	041-1700635-01-001	SOL ULSD Submitted
Method	**Test**	**Results**
ASTM D4052	API Gravity @ 60°F	36.2
	Test Temperature	15.0°C (59°F)
	Density , g/mL	0.8433
ASTM D976	Calculated Cetane Index	49.0
ASTM D86	Initial Boiling Point , °F	334.8
	10% Recovered , °F	402.2
	50% Recovered , °F	509.8
	90% Recovered , °F	622.4
	Endpoint , °F	673.9
	Recovery , %	98.3
	Residue , %	1.0
	Loss , %	0.7
ISM - Liqui-Cult	Observation Period	30 Hours
	- Bacteria , Count/mL	None
ASTM D95	Water , % V/V	0.00
ASTM D473	Sediment Content , % V/V	0.00
IAC - 060	Sediment and Water , % V/V	<0.01
ASTM D445	Test Temperature	40°C (104°F)
	Kinematic Viscosity , cSt	2.558
ASTM D7039	Sulfur Content , ppm (mg/kg)	10.5

For Inspectorate

Ian Dobinson, Laboratory Manager

Dated Revision

12/21/17 9:11 AM