

Certificate of Analysis

Sterlitamak Petrochemical Plant, OJSC, 10, Tekhnicheskaya ul.,
Sterlitamak, Bashkortostan Republic, 453110

Laboratory Report ID : 3147777-201709260950
Our Reference Number : NE700-

Sample ID	: 17-014579-0-RDAM-001-00	Date Taken	: 22-Sep-2017
Product	: Avgas 100LL	Drawn by	: Client
Client Reference	: -	Date Submitted	: 22-Sep-2017
Submitted sample	: Sample as received	Date Tested	: 26-Sep-2017
Representing	: Sterlitamak Petrochemical Plant, OJSC, Reservoir No. 49 ¹		

Method	Test	Spec Limit	Result	Units
Visual	Appearance		Clear and free from matter in suspension	
Visual	Colour		blue	
ASTM D 130	Copper Corrosion 2 hrs. at 100 oC	max. 1	1A	
ASTM D4052	Density at 15 oC		710.3	kg/m3
ASTM D2622	Sulphur	max. 0.05	<0.001	Wt %
ASTM D 381	Existent Gum	max. 3	<0.5	mg/100 ml
ASTM D2386	Freezingpoint	max. -58.0	<-65.0	oC
ASTM D5191	Vapour Pressure (DVPE) at 100 oF	38.0 - 49.0	45.3	kPa
ASTM D2700	M.O.N.	min. 99.6	103.3	
ASTM D909	Octane nr. Supercharge Meth.	min. 130	133.6	
ASTM D 86	I.B.P.		34.3	oC
	10% v evap.at	max. 75	68.1	oC
	40% v evap.at	min. 75	100.7	oC
	50% v evap.at	max. 105	103.6	oC
	90% v evap.at	max. 135	110.2	oC
	F.B.P.	max. 170	125.4	oC
	Sum of 10%+50% evap.Temp.	min. 135	171.7	oC
	Recovery		98.0	%v
	Residue	max. 1.5	0.9	%v
	Loss	max. 1.5	1.1	%v
ASTM D 873	Potential gum	max. 6	<1	mg/100 ml
	(Lead) Precipitate	max. 2	<1	mg/100 ml
ASTM D5059	Lead	max. 0.56	0.51	g/l
ASTM D2624	Measuring Temperature		22.0	oC
	Conductivity	min. 55	95	pS/m
IP 17	Red		0	
	Yellow		0	
	Blue	1.7 - 3.5	3.3	
ASTM D3338	Net Heat of Combustion	min.43.50	43.933	MJ/kg
ASTM D1094	Volume Change	max. 2.0	<0.5	ml

Sampling location : Sterlitamak Petrochemical Plant, OJSC, Reservoir No. 49¹
 Sample container : > 250 ml
 Sampling Procedure : Standard
 Remarks : -



Total Quality. Assured.

Certificate of Analysis

Laboratory Report ID : 3147777-201709260950
Our Reference Number : NE700-

Precision complies with the reference method. The analytical report is issued in the name and for account of the principal who recognizes that this report purely represents the situation at a given moment. The principal commits himself to disclose each time the complete report and not parts of the report. Fax and E-mail copies have no legal force. The report can only be used within the specific context of the order and is only valid for the samples and for the company that gave the order. All relations between Intertek Nederland B.V. and its Principals will be governed by the latest version of the General Conditions of Intertek Nederland B.V., filed of record with the Registry of the District Court at Rotterdam, which will be forwarded free of charge upon first request. Intertek Nederland B.V. explicitly rejects applicability of any general conditions applied by its Principals.

Product corresponds to Defstan 91-090 Gasoline Aviation Issue 4 Publication Date 30 October 2015

Goksel Erdogan
Laboratory Supervisor
Intertek Nederland BV


Intertek Nederland B.V.
Leerlooierstraat 135 - 3194 AB Hoogvliet (Rt)
The Netherlands
Tel. +31 (0)10 490 2702
VAT# NL002630758B01
www.intertek.com