

DATE: 04/07/2015

SGS Oil, Gas and Chemicals
 Ventspils OGC Laboratorija,
 Dzintaru 66,
 Ventspils LV-3602, Latvija

SIBUR INTERNATIONAL GMBH
 Prinz-Eugen-Strasse 8-10
 VIENNA
 AUSTRIA
 1040

Certificate of Quality: VE15-00191.001 Reissue: 1

**** This Amended Report cancels and supersedes the Report No. VE15-00191.001 Dated 03.07.15 issued by SGS.**

FILE / JOB NUMBER :	LV.30.15.0648.L3	BOSS ORDER NO.:	--
SAMPLE ID :	12949V	PRODUCT DESCRIPTION :	MIXED AROMATIC HYDROCARBONS - st. Kauchuk
LOCATION:	Ventall, Ventspils	SOURCE ID :	See comment
SAMPLE SOURCE :	RTC	SAMPLE BY :	SGS
SAMPLE TYPE :		RECEIVED :	
SAMPLED :	--	COMPLETED :	04/07/2015
ANALYSED :	02/07/2015 - 04/07/2015		
SUB-SAMPLES :	[1: 1 Litre Glass Bottle], [2: 1 Litre Glass Bottle], [3: 1 Litre Glass Bottle]		
SAMPLE COMMENT :			

PROPERTY	METHOD	RESULT	UNITS
Appearance	Visual	Clear & Bright	---
Appearance at 20°C			
Copper Strip corrosion (3h / 50°C {122°F})	ASTM D130	1b	Rating
Density at 15°C	ASTM D4052	0.8197	kg/L
Distillation of Petroleum Products at Atmospheric Pressure	ASTM D86		
Initial boiling point (IBP)		41.5	°C
5% Evaporated at		63.6	°C
10% Evaporated at		72.0	°C
20% Evaporated at		83.5	°C
50% Evaporated at		111.3	°C
90% Evaporated at		163.2	°C
95% Evaporated at		174.6	°C
Final boiling point (FBP)		184.2	°C
% Residue		0.7	% (VM)
% Loss		0.0	% (VM)
DVPE (calculated on composite)	Calculation	5.64	psi
Hydrogen Sulfide	UOP 163	1	ppm (m/m)
Mercaptan Sulfur	UOP 163	36	ppm (m/m)
Lead	EN 237	<2.5	mg/L
Total Paraffins	ASTM D6730	22.030	% (m/m)
Total n-Paraffins	ASTM D6730	4.890	% (m/m)
Total iso-Paraffins	ASTM D6730	17.140	% (m/m)
Total Olefins	ASTM D6730	10.630	% (m/m)

The results shown in this test report specifically refer to the sample(s) tested as received unless otherwise stated. All tests have been performed using the latest revision of the methods indicated, unless specifically marked otherwise on the report. Precision parameters apply in the determination of the above results. Users of the data shown on this report should refer to the latest published revisions of ASTM D3244; IP 367 and ISO 4259 and when utilising the test data to determine conformance with any specification or process requirement. This Test Report is issued under the Company's General Conditions of Service (copy available upon request or on the company website at www.sgs.com). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. This report shall not be reproduced except in full, without the written approval of the laboratory.

ISSUED BY:

ON BEHALF OF: SGS LATVIJA LTD.



Larisa Bondarchuk
 Laboratory Coordinator



Vladimir Kulak
 Operations Supervisor
 0407201511170000013799

DATE: 04/07/2015

SGS Oil, Gas and Chemicals
 Ventspils OGC Laboratorija,
 Dzintaru 66,
 Ventspils LV-3602, Latvija

SIBUR INTERNATIONAL GMBH
 Prinz-Eugen-Strasse 8-10
 VIENNA
 AUSTRIA
 1040

Certificate of Quality: VE15-00191.001 Reissue: 1

**** This Amended Report cancels and supersedes the Report No. VE15-00191.001 Dated 03.07.15 issued by SGS.**

FILE / JOB NUMBER :	LV.30.15.0648.L3	BOSS ORDER NO.:	--
SAMPLE ID :	12949V	PRODUCT DESCRIPTION :	MIXED AROMATIC HYDROCARBONS - st. Kauchuk
LOCATION:	Ventall, Ventspils	SOURCE ID :	See comment
SAMPLE SOURCE :	RTC	SAMPLE BY :	SGS
SAMPLE TYPE :	--	RECEIVED :	
SAMPLED :	--	COMPLETED :	04/07/2015
ANALYSED :	02/07/2015 - 04/07/2015		
SUB-SAMPLES :	[1: 1 Litre Glass Bottle], [2: 1 Litre Glass Bottle], [3: 1 Litre Glass Bottle]		
SAMPLE COMMENT :			

PROPERTY	METHOD	RESULT	UNITS
Total Naphthenes	ASTM D6730	11.890	% (m/m)
Total Aromatics	ASTM D6730	51.220	% (m/m)
Benzene	ASTM D6730	5.040	% (m/m)
Unwashed Gum (product not in scope of method) §	ASTM D381	2.0	mg/100mL
Solvent Washed Gum (Product not in Scope of Method) §	ASTM D381	1.0	mg/100mL
Motor Octane Number	ASTM D2700	85.1	Rating
Research Octane Number	ASTM D2699	97.4	Rating
Induction Period at 100°C	ASTM D525	24	min
Characteristic Odor	ASTM D1296	Characteristi	---
		c	
Total Sulfur Content	ASTM D4294	1250	mg/kg
Water Content	ASTM D6304 (Procedure A)	323	mg/kg

**** End of Analytical Results ****

§ - Analyte not in published method scope

The results shown in this test report specifically refer to the sample(s) tested as received unless otherwise stated. All tests have been performed using the latest revision of the methods indicated, unless specifically marked otherwise on the report. Precision parameters apply in the determination of the above results. Users of the data shown on this report should refer to the latest published revisions of ASTM D3244; IP 367 and ISO 4259 and when utilising the test data to determine conformance with any specification or process requirement. This Test Report is issued under the Company's General Conditions of Service (copy available upon request or on the company website at www.sgs.com). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. This report shall not be reproduced except in full, without the written approval of the laboratory.

ISSUED BY:

ON BEHALF OF: SGS LATVIJA LTD.



Larisa Bondarchuk
 Laboratory Coordinator



Vladimir Kulak
 Operations Supervisor
 040720151117000013799