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Akkreditiert nach
DIN EN ISO/IEC 17025



Final Report: SP11-01471 / Client Order No.: SGS TÜV Saarland 1908799

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SGS Sample No.:	SP11-01471.002	SGS SAP Order No.:	1908724
Product designated:	Diesel - Additive - Mixture	Specification:	-
Date received:	30.03.2011	Sample amount:	10 l
Packaging:	10 l Metal can		
Client reference:	Fuel-Additive-Mixture		
Sample Label:	Diesel 10 l mixed with SSL Petrol Energizer 3 ml		

Test / Analyte	Test Method / Norm	Spezifikation		Result	Unit
		Min.	Max.		
Cetane Number	DIN EN ISO 5165	51.0	--	52.8	-
Cetane index	DIN EN ISO 4264	46.0	--	52.6	-
Density @ 15°C	DIN EN ISO 12 185	820.0	845.0	834.3	kg/m ³
Aromatic Content	DIN EN 12916				
Mono-Aromatics		--	--	19.0	% m/m
Di-Aromatics		--	--	3.2	% m/m
Tri+-Aromatics		--	--	0.5	% m/m
Poly-Aromatics		--	8.0	3.7	% m/m
Total Aromatics		--	--	22.7	% m/m
Sulfur content	DIN EN ISO 20846	--	10.0	9.6	mg/kg
Flashpoint by Pensky-Martens	DIN EN ISO 2719				
Flash-Point by Pensky-Martens Procedure A		56.0	--	63.0	°C
Ash	DIN EN ISO 6245				
Ash		--	0.010	<0.001	% m/m
Water content	DIN EN ISO 12 937	--	200	67	mg/kg
Total contamination	DIN EN 12662:2008	--	24	2	mg/kg
Copper corrosion 3h @ 50°C	DIN EN ISO 2160	--	1	1a	Grade
FAME in Diesel	DIN EN 14 078				
FAME in Diesel		--	7.0	6.6	% v/v
Oxidation stability	DIN EN ISO 12 205	--	25	6	g/m ³

The limits for CFPP are described in the individual national annex of the Specification.

* = Test method not accredited

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. Precision data are calculated on request. Users of the data shown on this report should refer to the latest published revisions of ASTM D-3244; IP 367; ISO 4259 and Appendix E of IP Standard Methods for Analysis and Testing when utilising the test data to determine conformance with any specification or process requirement. If transmitted electronically, this report does not require a signature. This report shall not be reproduced except in full, without the written approval of the SGS laboratory. This Test Report is issued under the Company's General Conditions of Service (copy available upon request). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein.

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Member of the SGS Group (Société Générale de Surveillance)

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Test / Analyte	Test Method / Norm	Spezification		Result	Unit
		Min.	Max.		
Oxidation Stability Oxidation stability manual	DIN EN 15751	20	--	>48	h
Lubricity HFRR WS 1.4	DIN EN ISO 12156-1	--	460	201	µm
Viscosity @ 40°C	DIN EN ISO 3104	2.000	4.500	2.842	mm ² /s
Cold Filter Plugging Point	DIN EN 116	--	-10	-14	°C
Distillation recovered @ 250°C	DIN EN ISO 3405	--	65.0	38.6	% v/v
recovered @ 350°C		85.0	--	93.9	% v/v
95 Vol-% recovered		--	360.0	354.8	°C
Carbon Residue of 10% Distillation Residue	DIN EN ISO 10 370	--	0.30	<0.03	% m/m

The results of analysed parameters are within limits of specification
DIN EN 590:2010.

Speyer, 08.04.2011



i. V. Simone Schmidt
Lab Manager

i.A. Stefan Heppes
Deputy Lab Manager

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