



# Analytical Report: BC15-05155.001

Date: 12/10/2015  
 ARANCEDIS, S.L.  
 CL  
 PASEO DEL DELEITE, 13  
 ARANJUEZ  
 SPAIN

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 D-3244; 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.~The Laboratory will keep the samples for 45 days. 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.

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Accredited Laboratory by ENAC under UNE-EN ISO / IEC 17025 with record LE/249. The Laboratory has the estimated uncertainties for all the accredited parameters at the customer's disposal. The test marked with (\*) fall outside the scope of accreditation.

CLIENT ORDER NUMBER :	91103/1269/15	SGS ORDER NO.:	438514
CLIENT ID :	E.S. E.LECLERC		
LOCATION :	Aranjuez	PRODUCT DESCRIPTION :	Gasoil - (A) RD 1088/10
SAMPLE SOURCE :	Surtidor		
SAMPLE TYPE :	--	SAMPLE BY :	Client
SAMPLED :	02/10/2015	RECEIVED	05/10/2015
ANALYSED :	05/10/2015 - 09/10/2015	COMPLETED :	09/10/2015

PROPERTY	METHOD	RESULT UNITS	MIN	MAX
Derived Cetane Number *	ASTM D7668-14a	53,8 Rating	51,0	--
Cetane Index (Procedure A)	ASTM D4737-10	51,2 Rating	46,0	--
Density at 15°C	ASTM D4052-11	842,9 kg/m³	820	845
Poly Aromatic Hydrocarbons	UNE EN 12916-07	4,8 % (m/m)	--	8
Sulphur Content	UNE EN ISO 20846-12	8,8 mg/kg	--	10
Distillation at 760mm Hg	ASTM D86-12 (Automat.)			
Recovered at 65%		293,8 °C	250	--
Recovered at 85%		327,1 °C	--	350
Recovered at 95%		353,9 °C	--	360
Kinematic Viscosity at 40°C (104°F)	ASTM D445-15	2,880 cSt	2,00	4,50
Flash Point by PMCC - Proc. A / Automatic Tester	ASTM D93-15 (Automat.) (Proc.A)	58,0 °C	55,0	--
Cold filter plugging point (CFPP)	UNE EN 116-98/AC-99 (Err.2006) (Automat.)	-16 °C	--	-10
Carbon Residue (on 10 % Distillation Residue)	ASTM D4530-15	<0,1 % (m/m)	--	0,30
Lubricity at 60°C (WS1.4)	UNE EN ISO 12156-1-07	447 µm	--	460
Water Content by Coulometric KF	UNE EN ISO 12937-01Err08	76 mg/kg	--	200
Total Contamination	UNE EN 12662-14	<12,0 mg/kg	--	24
Ash Content	UNE EN ISO 6245-03	<0,001 % (m/m)	--	0,01
Copper Strip corrosion (3h / 50°C)	ASTM D130-12	1a Rating		Class 1
Oxidation Stability	UNE EN ISO 12205-96			
Total Insolubles		0 g/m³	--	25
Oxidation Stability of FAME and FAME/Diesel Blends	UNE EN 15751-14			

AUTHORISED SIGNATORY

Enric Cura i de Nuix  
 Responsable Técnico del Laboratorio



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PROPERTY	METHOD	RESULT UNITS	MIN	MAX
Oxidation Stability (Induction Period)		>48 h	20	--
<b>ASTM Colour</b>	ASTM D1500-12	L1.5 ---	--	2
<b>FAME - Range A</b>	UNE EN 14078-14	2,55 % (V/V)	--	7
<b>Free Water and Particulate Contamination</b>	ASTM D4176-14			
Clear and Bright		Pass ---		Pass
Sample Temperature during Testing		21,0 °C	--	--
<b>** End of Analytical Results **</b>				

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AUTHORISED SIGNATORY

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Responsable Técnico del Laboratorio