



Matériaux de Référence Certifiés & Equipements de Laboratoire

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## MRC Produits Pétroliers - CRM Oils & Fuels Products

Test name	Value	Order code	Bottle Volume	Method	Expiration date
<b>GASOLINE</b>					
Density at 15°C	742.9 kg/m <sup>3</sup>	DE-GA-730	250 ml	ASTM D 4052 - ISO 12185	12 2019
Automatic Distillation (Unleaded)	36°C / 181°C	DI-GA-730	250 ml	ASTM D 86 - ISO EN 3405 - IP 123 - DIN 51751	12 2019
Reid Vapour Pressure	58,9 kPa	VP-GA-730	250 ml	ASTM D 323	12 2019
Benzene Content	0.62 % vol	BE-GA-730	250 ml	ASTM D 4053 - EN 238 - EN ISO 22854 - ASTM D 6277	12 2019
Aromatic Content	27.7 % vol	AC-GA-730	250 ml	ASTM D 5580	12 2019
Motor Octane Number E95 (Unleaded)	86,3	OM-GA-095	1000 ml	ASTM D 2700	12 2019
	87,5	OM-GA-098	1000 ml		12 2019
Research Octane Number E98 (Unleaded)	98,9	OR-GA-098	1000 ml	ASTM D 2699	12 2019
	97	OR-GA-095	1000 ml		12 2019
<b>JET AVIATION FUEL</b>					
Test name	Value	Order code	Bottle Volume	Method	Expiration date
Density at 15°C	802,5 kg/m <sup>3</sup>	DE-KR-619	250 ml	ASTM D 4052 - ISO 12185	12 2019
Freezing Point	- 53.4 °C	FR-KR-619	250 ml	ASTM D 2386	12 2019
Automatic Distillation	146°C / 251°C	DI-KR-619	250 ml	ASTM D 86 - ISO EN 3405 - IP 123 - DIN 51751	12 2019
Sulphur of Mercaptans	15.2 mg/kg	SU-KR-619	250 ml	ASTM D 3227 – ISO 3012	12 2019
Acidity	0.0085mgKOH/g	AD-KR-619	250 ml	ASTM D 3242	12 2019

<b>FIA Aromatics</b>	20.1 % Vol	FI-KR-619	250 ml	FIA ASTM D 1319 - EN NF 15553	12 2019
<b>Abel Flash Point</b>	40.3 °C	AB-KR-619	250 ml	IP 170 -EN ISO 13736 - NFM 07011	12 2019
<b>Kinematic Viscosity -20°C</b>	3.841 mm <sup>2</sup> /s	VI-KR-619	250 ml	ASTM D 445 - ISO 3104	12 2019
<b>TAG Flash Point</b>	41.4 °C	FT-KR-619	250 ml	ASTM D 56	12 2019
<b>Aniline Point</b>	56,6 °C	AP-KR-619	250 ml	ASTM D 611	12 2019
<b>Smoke Point</b>	21.6 mm	SP-KR-619	250 ml	ASTM D 1322 - IP 598	12 2019
<b>Reference Fuel Smoke Point</b>	14.7 up to 42,8 mm	SET-A	7x25ml	ASTM D 1322 Reference Fuels Table	12 2019
	14.7 mm	SM-Mix 1	4x25ml		12 2019
	20.2 mm	SM-Mix 2	4x25ml		12 2019
	22.7 mm	SM-Mix 3	4x25ml		12 2019
	25.8 mm	SM-Mix 4	4x25ml		12 2019
	30.2 mm	SM-Mix 5	4x25ml		12 2019
	35.4 mm	SM-Mix 6	4x25ml		12 2019
	42.8 mm	SM-Mix 7	4x25ml		12 2019

## DIESEL

Test name	Value	Order code	Bottle Volume	Method	Expiration date
<b>Density at 15 °C</b>	833,5 kg/m <sup>3</sup>	DE-GO-690	250 ml	ASTM D 4052 - ISO 12185	12 2019
	836,39 kg/m <sup>3</sup>	DE-GO-888	250 ml		12 2019
	837.5 kg/m <sup>3</sup>	DE-GO-185	250 ml		12 2019
<b>Cloud Point</b>	- 2 °C	CP-GO-185	250 ml	ASTM D 2500 – NF EN 23015 - ISO 3015 - ASTM D 5773 – ASTM D 5771 – ASTM D 5772	12 2019
	- 3,3 °C	CP-GO-888	250 ml		12 2019
	- 6,6 °C	CP-GO-690	250 ml		12 2019
<b>CFPP - Cold Filter Plugging Point</b>	-16 °C	CF-GO-333	250 ml	ASTM D 6371 - EN 116	12 2019
	- 16.5 °C	CF-GO-185	250 ml		12 2019
	-23.6 °C	CF-GO-209	250 ml		12 2019
<b>Pour Point</b>	-16.1 °C	PP-GO-888	250 ml	ASTM D 97 – NFT 60-105 – ISO 3016 –	12 2019

	- 21 °C	PP-GO-185	250 ml	ASTM D 5949 – ASTM D 6749 – ASTM D 5950 – ASTM D 6892 – ASTM D 5985	12 2019
<b>Automatic Distillation</b>	156 °C / 355 °C	DI-GO-690	250 ml	ASTM D 86 - ISO EN 3405 - IP 123 - DIN 51751	12 2019
	172 °C / 364 °C	DI-GO-185	250 ml		12 2019
<b>Pensky Martens</b>	64,8°C	PM-GO-333	250 ml	ASTM D 93 - EN 22719 - ISO 2719	12 2019
	68.5 °C	PM-GO-185	250 ml		12 2019
<b>Kinematic Viscosity +20°C</b>	3,897 mm <sup>2</sup> /s	VI-690+20	250 ml	ASTM D 445 - ISO 3104	12 2019
	4.445 mm <sup>2</sup> /s	VI-185+20	250 ml		12 2019
<b>Kinematic Viscosity +40°C</b>	2,534 mm <sup>2</sup> /s	VI-690+40	250 ml	ASTM D 445 - ISO 3104	12 2019
	2.845 mm <sup>2</sup> /s	VI-185+40	250 ml		12 2019
<b>Sulphur Content</b>	7,08 mg/kg	SU-GO-690	250 ml	ASTM D 5453 -ISO 20846	12 2019
	7.10 mg/kg	SU-GO-185	250 ml		12 2019
<b>Cetane Number</b>	53,5	CN-GO-152	250 ml	ASTM D 613 - ISO 5165	12 2019
<b>FAME Content</b>	3.42 % Volume	FA-GO-919	250 ml	EN 14078 - EN 14103	12 2019
	6.90 % Volume	FA-GO-185	250 ml		12 2019
	97.94 mol/mol	FA-GO-999	250 ml		12 2019

#### LUBRICANT

Test name	Value	Order code	Bottle Volume	Method	Expiration date
<b>Density at 15 °C</b>	868,7 kg/m <sup>3</sup>	DE-LU-671	250 ml	ASTM D 4052 - ISO 12185	12 2019
<b>Cleveland Flash Point</b>	265 °C	FC-LU-671	250 ml	ASTM D 92 - ISO 2592 - IP 36/403	12 2019
<b>Pensky Martens Flash Point</b>	203 °C	PM-LU-456	250 ml	ASTM D 93 - EN 22719 – ISO 2719	12 2019
	243 °C	PM-LU-671	250 ml		12 2019
<b>Pour Point</b>	-11.6°C	PP-LU-671	250 ml	ASTM D 97	12 2019
<b>Kinematic Viscosity at +20°C</b>	299.0 mm <sup>2</sup> /s	VI-671-+20	250 ml	ASTM D 445 - ISO 3104	12 2019
<b>Kinematic Viscosity at +40°C</b>	91,6 mm <sup>2</sup> /s	VI-671-+40	250 ml	ASTM D 445 - ISO 3104	12 2019
<b>Kinematic Viscosity at +100°C</b>	10,8 mm <sup>2</sup> /s	VI-671-+100	250 ml	ASTM D 445 - ISO 3104	12 2019

List 03 07 2017

*Transport, Packing, Dangerous Goods declarations not included in the price list.*