

## CRM REFERENCE LIST

Test name	Value	Order code	Main Method	Bottle Volume	Expiration date
<b>GASOLINE (390)</b>					
Density at 15°C	742.0 kg/m <sup>3</sup>	DE-GA-390	ASTM D 4052	250 ml	12 2015
Automatic Distillation (Unleaded)	31,1°C / 177,3°C	DI-GA-390	ASTM D 86	250 ml	12 2015
Reid Vapour Pressure	77,7 kPa	VP-GA-390	ASTM D 323	250 ml	12 2015
Benzene Content	0.730 % vol	BE-GA-390	ASTM D 4053	250 ml	12 2015
Aromatic Content	29,81 % vol	AC-GA-390	ASTM D 5580	250 ml	12 2015
<b>GASOLINE (150)</b>					
Motor Octane Number (Unleaded)	86,9	OM-GA-150	ASTM D 2700	1000 ml	12 2013
Research Octane Number (Unleaded)	98	OR-GA-150	ASTM D 2699	1000 ml	12 2013
<b>JET AVIATION Fuel (222)</b>					
Density at 15°C	793,3 kg/m <sup>3</sup>	DE-KR-222	ASTM D 4052	250 ml	12 2015
Freezing Point	- 54.7 °C	FR-KR-222	ASTM D 2386	250 ml	12 2015
Automatic Distillation	151°C / 269°C	DI-KR-222	ASTM D 86	250 ml	12 2015
Sulphur of Mercaptans	5.18 mg/kg	SU-KR-222	ISO 3012	250 ml	12 2015
Acidity	0.0021 mgKOH/g	AD-KR-222	ASTM D 3242	250 ml	12 2015
FIA Aromatics	15,18 ± 0.65% vol	FI-KR-222	ASTM D 1319	250 ml	12 2015
Abel Flash Point	41.9 °C	AB-KR-222	IP 170	250 ml	12 2015
Kinematic Viscosity -20°C	3.923 mm <sup>2</sup> /s	VI-KR-222	ASTM D 445	250 ml	12 2015
TAG Flash Point	43.1 °C	FT-KR-222	ASTM D 56	250 ml	12 2015
Aniline Point	62,3 °C	AP-KR-222	ASTM D 611	250 ml	12 2015
<b>DIESEL (243)</b>					
Density at 15 °C	833,8 kg/m <sup>3</sup>	DE-GO-243	ASTM D 4052	250 ml	12 2015
Cloud Point	- 5,3 °C	CP-GO-243	ASTM D 2500	250 ml	12 2015
Pour Point	-31.7 °C	PP-GO-243	ASTM D 97	250 ml	12 2015
Automatic Distillation	160 °C / 361 °C	DI-GO-243	ASTM D 86	250 ml	12 2015
Pensky Martens Flash Point	57,9°C	PM-GO-243	ASTM D 93 -A	250 ml	12 2015
Kinematic Viscosity +20°C	3,544 mm <sup>2</sup> /s	VI-243+20	ASTM D 445	250 ml	12 2015
Kinematic Viscosity +40°C	2,353 mm <sup>2</sup> /s	VI-243+40	ASTM D 445	250 ml	12 2015
Sulphur Content	8,40 mg/kg	SU-GO-243	ASTM D 5453	250 ml	12 2015
<b>DIESEL (208)</b>					
Cold Filter Plugging Point	-23.4 °C	CF-GO-208	EN 116 / IP 309	250 ml	09 2013
<b>DIESEL (888)</b>					
Density at 15 °C	836,39 kg/m <sup>3</sup>	DE-GO-888	ASTM D 4052	250 ml	12 2014
Cloud Point	- 3,3 °C	CP-GO-888	ASTM D 2500	250 ml	12 2014
Pour Point	-16.1 °C	PP-GO-888	ASTM D 97	250 ml	12 2014
Cetane Number	52,6	CN-GO-888	ASTM D 613	1000 ml	12 2014
<b>LUBRICANT (456)</b>					
Pensky Martens Flash Point	203 °C	PM-LU-456	ASTM D 93	250 ml	12 2014
<b>LUBRICANT (671)</b>					
Density at 15 °C	868,7 kg/m <sup>3</sup>	DE-LU-671	ASTM D 4052	250 ml	12 2015
Cleveland Flash Point	268 °C	FC-LU-671	ASTM D 92	250 ml	12 2015
Pensky Martens Flash Point	247 °C	PM-LU-671	ASTM D 93	250 ml	12 2015
Pour Point	-11.6°C	PP-LU-671	ASTM D 97	250 ml	12 2015
Kinematic Viscosity at +20°C	299.0 mm <sup>2</sup> /s	VI-671-+20	ASTM D 445	250 ml	12 2015
Kinematic Viscosity at +40°C	91,6 mm <sup>2</sup> /s	VI-671-+40	ASTM D 445	250 ml	12 2015
Kinematic Viscosity at +100°C	10,8 mm <sup>2</sup> /s	VI-671-+100	ASTM D 445	250 ml	12 2015