



GASOLINE

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Other materials are produced according ISO 17034 requirements

Test name	Item code	Designation	Product	Value	Bottle Volume	Production lot	Expiration date	The certified value of this CRM can be used with the following test methods :
	<i>Below, Informations to be reported on your order</i>							
Density at 15°C	* DE-GA-268	Density_744.4kg/m3_250ml	E10	744.4 kg/m ³	250 ml	GA-268	07 2026	ISO 12185, ASTM D 4052, IP 365, ISO 3675, ASTM D 1298, IP 160
Distillation (Unleaded)	* DI-GA-268	Distillation_31.4_178.7°C_250ml	E10	31.4 °C / 178.7 °C	250 ml	GA-268	07 2026	ISO 3405, ASTM D 86, IP 123
Vapour Pressure (DVPE)	* VP-GA-268	Reid Vapour_74.0kPa_250ml	E10	74.0 kPa	250 ml	GA-268	07 2026	EN 13016-1, ASTM D 5191, ASTM D 4953, IP 394-1, IP 409-1, ASTM D 5482
Aromatic Content	AC-GA-268	Aromatic Content_28.2%_250ml	E10	28.2 % vol	250 ml	GA-268	07 2026	ISO 22854, ASTM D 1319, ASTM D 6839, ISO 3837, IP 156
Benzene Content	BE-GA-268	Benzene Content_0.75%_250ml	E10	0.75 % vol	250 ml	GA-268	07 2026	ISO 22854, EN 238, ASTM D 6839, ASTM D 4053
Multitest Hydrocarbon types and oxygenates content	MC-GA-268	Multitest content_250ml	E10	Aromatics : 28.2 % vol Benzène : 0.75 % vol Ethanol : 7.48 % vol Olefins : 13.13 % vol Total Oxygen : 3.62 % m	250 ml	GA-268	07 2026	Aromatics : ISO 22854, ASTM D 1319, ASTM D 6839, ISO 3837, IP 156 Benzène : ISO 22854, EN 238, ASTM D 6839, ASTM D 4053 Ethanol : ISO 22854, ASTM D 6839, EN 1601, EN 13132 Olefins : ISO 22854, ASTM D 6839, EN 15553 Total Oxygen : ISO 22854, ASTM D 6839, EN 1601, EN 13132
Motor Octane Number (Unleaded)	OM-95-936	Motor Octane Number_86.3_1000ml	E10	86.3	1000 ml	95-936	08 2025	ASTM D 2700 / ISO 5163
	OM-98-475	Motor Octane Number_87.9_1000ml	E5	87.9	1000 ml	98-475	10 2026	
Research Octane Number (Unleaded)	OR-95-936	Research Octane Number_98.1_1000ml	E10	98.1	1000 ml	95-936	08 2025	ASTM D 2699 / ISO 5164
	OR-98-475	Research Octane Number_98.8_1000ml	E5	98.8	1000 ml	98-475	10 2026	

JET AVIATION Fuel

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Density at 15°C	* DE-KR-071	Density_803.2kg/m3_250ml	KR	803.2 kg/m ³	250 ml	KR-071	08 2027	ASTM D 4052, ISO 12185, IP 365, ASTM D 1298, ISO 3675, IP 160
Freezing Point	* FR-KR-071	Freezing Point_-58.8°C_250ml	KR	-58.8 °C	250 ml	KR-071	08 2027	ASTM D 5972 / IP 435, ASTM D 7153 / IP 529, ASTM D 7154 / IP 528, ASTM D 2386 / IP 16, ISO 3013
Distillation	* DI-KR-071	Distillation_158.8_250.5°C_250ml	KR	158.8°C / 250.5°C	250 ml	KR-071	08 2027	ASTM D 86, ISO 3405, IP 123, ASTM D 2887 / IP 406, ASTM D 7344, ASTM D 7345 / IP 596, DIN 51751
Sulphur of Mercaptans	SM-KR-071	Sulphur Mercaptans_16.50mg/kg_250ml	KR	16.50 mg/kg	250 ml	KR-071	08 2027	ASTM D 3227 / IP 342, ISO 3012
Acidity	AD-KR-071	Acidity_0.0054mg/g KOH_250ml	KR	0.0054 mg/g KOH	250 ml	KR-071	08 2027	ASTM D 3242 / IP 354
Abel Flash Point	* AB-KR-071	Abel Flash Point_48.1°C_250ml	KR	48.1 °C	250 ml	KR-071	08 2027	IP 170, EN ISO 13736, NFM 07011
Smoke Point	* SP-KR-071	Smoke Point_23.4mm_250ml	KR	23.4 mm	250 ml	KR-071	08 2027	ASTM D 1322 / IP 598, ISO 3014
Kinematic Viscosity -20°C	VI-KR-071	Kinematic Viscosity_20°C_4.052mm2/s_250ml	KR	4.052 mm ² /s	250 ml	KR-071	08 2027	ASTM D 445 / IP 71-1, ISO 3104, ASTM D 7042, ASTM D 7945
TAG Flash Point	FT-KR-071	TAG Flash Point_49.2°C_250ml	KR	49.2 °C	250 ml	KR-071	08 2027	ASTM D 56
FIA Aromatics	FI-KR-071	FIA Aromatics_16.40%_250ml	KR	16.40 % Vol	250 ml	KR-071	08 2027	ASTM D 1319, IP 156, ISO 3837, EN NF 15553
Gum Content	GU-KR-071	Gum content_0.4mg/100ml_250ml	KR	0.4 mg/100ml	250 ml	KR-071	08 2027	ASTM D 381, ISO 6246, IP 540
Aniline Point	AP-KR-564	Aniline Point_58.5°C_250ml	KR	58.5 °C	250 ml	KR-564	05 2026	ASTM D 611 / IP 2-91, ISO 2592
Reference Fuel Smoke Point	SET-A	Fuel smoke point_14.7 to 42.8mm_7x25ml	KR	14.7 up to 42.8 mm	7x25ml	SP-021	05 2026	ASTM D 1322 Reference Fuels Table
	SM-Mix 1	Fuel smoke point_14.7mm_4x25ml	KR	14.7 mm	4x25ml	SP-021	05 2026	ASTM D 1322 Reference Fuels Table
	SM-Mix 2	Fuel smoke point_20.2mm_4x25ml	KR	20.2 mm	4x25ml	SP-021	05 2026	ASTM D 1322 Reference Fuels Table
	SM-Mix 3	Fuel smoke point_22.7mm_4x25ml	KR	22.7 mm	4x25ml	SP-021	05 2026	ASTM D 1322 Reference Fuels Table
	SM-Mix 4	Fuel smoke point_25.8mm_4x25ml	KR	25.8 mm	4x25ml	SP-021	05 2026	ASTM D 1322 Reference Fuels Table
	SM-Mix 5	Fuel smoke point_30.2mm_4x25ml	KR	30.2 mm	4x25ml	SP-021	05 2026	ASTM D 1322 Reference Fuels Table
	SM-Mix 6	Fuel smoke point_35.4mm_4x25ml	KR	35.4 mm	4x25ml	SP-021	05 2026	ASTM D 1322 Reference Fuels Table
	SM-Mix 7	Fuel smoke point_42.8mm_4x25ml	KR	42.8 mm	4x25ml	SP-021	05 2026	ASTM D 1322 Reference Fuels Table



DIESEL

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Density	* DE-GO-597	Density_833.0kg/m3_250ml	B7	833.0 kg/m3	250 ml	GO-597	06 2028	ISO 12185, ASTM D 4052, IP 365, ASTM D 1298, IP 160, ISO 3675
Cloud Point	* CP-GO-597	Cloud Point_-4.4°C_250ml	B7	- 4.4 °C	250 ml	GO-597	06 2028	ASTM D 2500, ISO 3015, ISO 22995, ASTM D 5771, ASTM D 5772, ASTM D 5773 / IP 446
	* CP-GO-742	Cloud Point_-0.1°C_250ml	B7	- 0.1 °C	250 ml	GO-742	08 2026	ASTM D 2500, ISO 3015, ISO 22995, ASTM D 5771, ASTM D 5772, ASTM D 5773 / IP 446
CFPP - Cold Filter Plugging Point	CF-GO-333	CFPP_-16.1°C_250ml	B7	- 16.1 °C	250 ml	GO-333	08 2025	ASTM D 6371, EN 116
	* CF-GO-597	CFPP_-19.4°C_250ml	B7	- 19.4 °C	250 ml	GO-597	06 2028	ASTM D 6371, EN 116
	CF-GO-902	CFPP_-24.3°C_250ml	B7	- 24.3 °C	250 ml	GO-902	02 2025	ASTM D 6371, EN 116
Pour Point	* PP-GO-597	Pour Point_-21.3°C_250ml	B7	- 21.3 °C	250 ml	GO-597	06 2028	ASTM D 97, ISO 3016, IP 15, NF T60-105, ASTM D 5950, ASTM D 6892, ASTM D 5985
	* PP-GO-742	Pour Point_-33.6°C_250ml	B7	- 33.6 °C	250 ml	GO-742	08 2026	ASTM D 97, ISO 3016, IP 15, NF T60-105, ASTM D 5950, ASTM D 6892, ASTM D 5985
Distillation	* DI-GO-597	Distillation_161.4_362.2°C_250ml	B7	161.4 °C / 362.2 °C	250 ml	GO-597	06 2028	ASTM D 86, ISO 3405, IP 123, DIN 51751, ASTM D 2887 / IP 406, ISO 3924, ASTM D 7344, ASTM D 7345 / IP 596, EN 17306
Pensky Martens Flash Point	* PM-GO-597	Pensky Martens_51.9°C_250ml	B7	51.9 °C	250 ml	GO-597	06 2028	ASTM D 93, ISO 2719, IP 34, NFT 60103, ASTM D 3828, ASTM D 7094
	* PM-GO-742	Pensky Martens_59.6°C_250ml	B7	59.6 °C	250 ml	GO-742	08 2026	ASTM D 93, ISO 2719, IP 34, NFT 60103, ASTM D 3828, ASTM D 7094
Kinematic Viscosity +20°C	VI20-GO-597	Kinematic Viscosity +20°C_3.785mm2/s_250ml	B7	3.785 mm²/s	250 ml	GO-597	06 2028	ASTM D 445 / IP 71, ISO 3104, ASTM D 7945, EN 16896, ISO 23581, ASTM D 7042
Kinematic Viscosity +40°C	VI40-GO-597	Kinematic Viscosity +40°C_2.488mm2/s_250ml	B7	2.488 mm²/s	250 ml	GO-597	06 2028	ASTM D 445 / IP 71, ISO 3104, ASTM D 7945, EN 16896, ISO 23581, ASTM D 7042
Sulphur Content	SU-GO-597	Sulphur Content_8.4mg/kg_250ml	B7	8.4 mg/kg	250 ml	GO-597	06 2028	ASTM D 5453, ISO 20846, ASTM D 2622, ISO 20884, ISO 13032
Cetane Number	CN-GO-859	Cetane Number_54.0_1000ml	B7	54.0	1000 ml	GO-146	06 2027	ISO 5165 / ASTM D613, EN 16715, ASTM D7668
FAME Content	FA-GO-919	FAME Content_3.42%_250ml	B5	3.42 % Volume	250 ml	GO-919	10 2026	EN 14078 - ASTM D 7371
	FA-GO-597	FAME Content_6.19%_250ml	B7	6.19 % Volume	250 ml	GO-597	06 2028	
	FA-GO-999	FAME Content_97.94%_250ml	B100	97.94 % Volume	250 ml	GO-999	10 2026	EN 14103

LUBRICANT

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Density at 15 °C	DE-LU-237	Density_872.8kg/m3_250ml	LU	872.8 kg/m3	250 ml	LU-237	10 2028	ASTM D 4052 - ISO 12185
Cleveland Flash Point	FC-LU-237	Cleveland Flash point_234°C_250ml	LU	234 °C	250 ml	LU-237	10 2028	ASTM D 92 - ISO 2592 - IP 36/403
Pensky Martens Flash Point	PM-LU-456	Pensky Martens_203°C_250ml	LU	203 °C	250 ml	LU-456	09 2025	ASTM D 93 - EN 22719 - ISO 2719 - NFT 60103
	PM-LU-237	Pensky Martens_209°C_250ml	LU	209 °C	250 ml	LU-237	10 2028	
Pour Point	PP-LU-237	Pour Point_-24.6°C_250ml	LU	-24,6 °C	250 ml	LU-237	10 2028	ASTM D 97-ASTM D 5950- NFT 60-105 – ISO 3016 – ASTM D 5949 – ASTM D 6749
Kinematic Viscosity at +20°C	VI20-LU-237	Kinematic Viscosity +20°C_88.1mm2/s_250ml	LU	88.1 mm²/s	250 ml	LU-237	10 2028	ASTM D 445
Kinematic Viscosity at +40°C	VI40-LU-237	Kinematic Viscosity +40°C_32.93mm2/s_250ml	LU	32.93 mm²/s	250 ml	LU-237	10 2028	ASTM D 445
Kinematic Viscosity at +100°C	VI100-LU-237	Kinematic Viscosity +100°C_5.59mm2/s_250ml	LU	5.59 mm²/s	250 ml	LU-237	10 2028	ASTM D 445