

Fuel analysis according to EU Fuel Quality Monitoring System

Parameter monitored	Standard methodology used	Matrix	Measurement range suited to analyze fuels regulated by	Is this company accredited for this test? ¹
Aromatic compounds (incl. Benzene)	OENORM EN 14517	Petrol	EN 228	Yes
Benzene	OENORM EN 14517	Petrol	EN 228	Yes
Distillation residue	OENORM EN ISO 3405	Petrol, diesel	EN 228/EN 590	Yes
Distillation recovered at 100°C	OENORM EN ISO 3405	Petrol	EN 228	Yes
Distillation recovered at 150°C	OENORM EN ISO 3405	Petrol	EN 228	Yes
Distillation recovered at 70°C	OENORM EN ISO 3405	Petrol	EN 228	Yes
Ethanol	OENORM EN 14517	Petrol	EN 228	Yes
Ether (≥5 C-atoms)	OENORM EN 14517	Petrol	EN 228	Yes
Final boiling point	OENORM EN ISO 3405	Petrol, diesel	EN 228/EN 590	Yes
Initial boiling point	OENORM EN ISO 3405	Petrol, diesel	EN 228/EN 590	Yes
Iso-butylalcohol	OENORM EN 14517	Petrol	EN 228	Yes
Iso-propyl-alcohol	OENORM EN 14517	Petrol	EN 228	Yes
Lead	OENORM EN 237	Petrol	EN 228	Yes
Methanol	OENORM EN 14517	Petrol	EN 228	Yes
Motor octane number	DIN EN 25163	Petrol	EN 228	No
Olefines	OENORM EN 14517	Petrol	EN 228	Yes
Other oxigenates	OENORM EN 14517	Petrol	EN 228	Yes
Oxygen content	OENORM EN 14517	Petrol	EN 228	Yes
Research octane number	DIN EN 25164	Petrol	EN 228	No
Research octane number by FTIR (IROX)	-	Petrol	EN 228	Yes
Tert-butylalcohol	OENORM EN 14517	Petrol	EN 228	Yes
Vapor residue (unwashed gum)	OENORM EN ISO 6246	Petrol	EN 228	No
Vapor residue (washed gum)	OENORM EN ISO 6246	Petrol	EN 228	No
Vapour lock index	OENORM EN 228	Petrol	EN 228	Yes

¹ Accredited tests are subcontracted

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Vapour pressure	OENORM EN 13016-1	Petrol	EN 228	Yes
Distillation characteristics at atmospheric pressure	OENORM EN ISO 3405	Petrol, diesel	EN 228/EN 590	Yes
Copper strip corrosion	OENORM EN ISO 2160	Petrol, diesel, FAME	EN 228/EN 590/EN 14214	Yes
95%(V/V) recovered at	OENORM EN ISO 3405	Petrol, diesel	EN 228/EN 590	Yes
Cetane number	OENORM EN ISO 5165	Diesel	EN 590	No
Cetane-index	OENORM EN ISO 4264	Diesel	EN 590	Yes
Cloud point (cp)	OENORM EN 23015	Diesel	EN 590	No
Distillation recovered at 180°C	OENORM EN ISO 3405	Diesel	EN 590	Yes
Distillation recovered at 250°C	OENORM EN ISO 3405	Diesel	EN 590	Yes
Distillation recovered at 340°C	OENORM EN ISO 3405	Diesel	EN 590	Yes
Distillation recovered at 350°C	OENORM EN ISO 3405	Diesel	EN 590	Yes
Ester content	OENORM EN 14103, ÖNORM EN 14331	Diesel	EN 590	Yes
Fatty acid methyl ester (FAME)	OENORM EN 14078	Diesel	EN 590	Yes
Flash point	OENORM EN ISO 2719 (mod.)	Diesel	EN 590	Yes
Flash point	OENORM EN ISO 2719	Diesel	EN 590/prDIN 51605	No
Lubricity (HFRR)	OENORM EN ISO 12156-1	Diesel	EN 590	No
Oxidation stability	DIN EN ISO 12205	Diesel	EN 590	No
Pah	OENORM EN 12916	Diesel	EN 590	Yes
Pour point	DIN ISO 3016	Diesel	EN 590	No
Ash content	OENORM EN ISO 6245	Diesel, FAME, plant oil	EN 590/EN 14214/prDIN 51605	No
Cold filter plugging point (cfpp)	OENORM EN 116	Diesel, FAME	EN 590/EN 14214	Yes
Ester content	OENORM EN 14103	Diesel, FAME	EN 590/EN 14214	Yes
Linolenic acid methyl ester content	OENORM EN 14103	Diesel, FAME	EN 590/EN 14214	Yes

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Carbon residue	OENORM EN ISO 10370	Diesel, FAME, plant oil	EN 590/EN 14214/prDIN 51605	Yes
Cinematic viscosity at 40°C	OENORM EN ISO 3104	Diesel, FAME, plant oil	EN 590/EN 14214/prDIN 51605	Yes
Contamination in middle distillates	OENORM EN 12662	Diesel, FAME, plant oil	EN 590/EN 14214/prDIN 51605	Yes
Water content	OENORM EN ISO 12937	Petrol, diesel, FAME, plant oil	Any	Yes
Sulfur content	EN ISO 8754	Heating oil	ÖNORM C 1108, ÖNORM C 1109	Yes
Diglycerid content	OENORM EN 14105	FAME	EN 14214	Yes
Flash point	OENORM EN ISO 3679 (mod.)	FAME	EN 14214	Yes
Free glycerol	OENORM EN 14105	FAME	EN 14214	Yes
Methanol	OENORM EN 14110	FAME	EN 14214	Yes
Monoglycerid content	OENORM EN 14105	FAME	EN 14214	Yes
Potassium	OENORM EN 14109	FAME	EN 14214	Yes
Sodium	OENORM EN 14108	FAME	EN 14214	Yes
Sulfated ash	ISO 3987	FAME	EN 14214	Yes
Total glycerol	OENORM EN 14105	FAME	EN 14214	Yes
Triglycerid content	OENORM EN 14105	FAME	EN 14214	Yes
Acid value	OENORM EN 14104	FAME, plant oil	EN 14214/prDIN 51605	Yes
Alkaline earth metal	OENORM EN 14538	FAME, plant oil	EN 14214/prDIN 51605	Yes
Iodine value	OENORM EN 14111	FAME, plant oil	EN 14214/prDIN 51605	Yes
Phosphorous	OENORM EN 14107	FAME, plant oil	EN 14214/prDIN 51605	Yes
Density at 15°C	OENORM EN ISO 12185	Fuels (any)	Any	Yes
Sulfur content	OENORM EN ISO 20846	Fuels (any)	Any	Yes
Caloric value	DIN 51900-1, -2, -3	Plant oil	prDIN 51605	No