

JET A & JET A-1 AVIATION TURBINE FUEL ANALYSIS STANDARDS

Jet fuel testing by refineries, pipelines, airports, FBOs, militaries, and even by individual aircraft owners is important to ensure safety and long-term equipment reliability.

Whether used during analysis for ASTM D1655 or verifying quality between fuel production and an aircraft, our extensive range of in-matrix and general calibration standards for fuel analysis are ideal for use when ensuring that your jet fuel meets quality and regulatory specifications.

Sulfur in Kerosene/Jet A-1 Standards Sulfur in Kerosene Standards suitable for use with ASTM D2622

(µg/g)	(wt%)	Product No.
Concentrations		Matrix: Kerosene Volume: 100 mL
Blank	Blank	VHG-SKERO-BLK-100
10	0.001	VHG-SKERO-10-100
50	0.005	VHG-SKERO-50-100
100	0.01	VHG-SKERO-100-100
500	0.05	VHG-SKERO-500-100
1,000	0.1	VHG-SKERO-1000-100

Standards for Jet Aviation Fuel Analysis

Application	Description	Size	Product Number
ASTM D86, IP 123 and EN ISO 3405	Certified Reference Material Distillation Standard, Jet Aviation Fuel (nominal values from 158.7 to 268.2°C)	250 mL	ALK-CRMU-DIKR
ASTM D4052, IP 365, ISO 12185	Certified Reference Material Density Standard, Jet Aviation Fuel (nominal value 0.79684 g/mL @ 15°C)	250 mL	ALK-CRMU-DEKR
IP 170	Certified Reference Material Abel Flash point, Jet Aviation Fuel (nominal value: 40.3°C)	250 mL	ALK-CRMU-ABKR
ASTM D56	Certified Reference Material TAG Flash Point, Jet Aviation Fuel (nominal value: 40.4°C)	250 mL	ALK-CRMU-TAKR
ASTM D2386, IP 16, ISO 3013	Certified Reference Material Freezing Point, Jet Aviation Fuel (nominal value: -53.7°C)	250 mL	ALK-CRMU-FRKR
ASTM D3242	Certified Reference Material Acidity, Jet Aviation Fuel (nominal value: 0.0067 mg KOH/g)	250 mL	ALK-CRMU-ADKR
ASTM D611	Certified Reference Material Aniline Point, Jet Aviation Fuel (nominal value: 58.48°C)	250 mL	ALK-CRMU-APKR
ASTM D1322 / IP 57	Certified Reference Smoke Point - Automatic Certified Reference Material, Jet Aviation Fuel (nominal value: 23.76 mm)	250 mL	ALK-CRMU-SPKR
ASTM D3227, IP 342, ISO 3012	Certified Reference Mercaptan Sulphur Standard in Jet Aviation Fuel (approx 7.3 mg/kg)	250 mL	ALK-CRMU-SUKR
ASTM D1319	Certified Reference Material FIA Aromatics, Jet Aviation Fuel (nominal value: 17.17%)	250 mL	ALK-CRMU-FIKR
ASTM D1322, IP 598	Smoke Point Reference Fuel Blend Kit, (Blends 1 – 7: 14.7 mm, 20.2 mm, 22.7 mm, 25.8 mm, 30.2 mm, 35.4 mm and 42.8 mm)	7 X 100 mL	ALK-SPRF-KIT-7
Low Temperature Viscosity	Type JF1-H Certified @ -20°C & -40°C	500 mL	ALK-JF1-H
Low Temperature Viscosity	Type JF1-L Certified @ -20°C & -40°C	500 mL	ALK-JF1-L

Acid Number in Oil*

*For the determination of Acid Number in petroleum products by potentiometric titration (ASTM D664) or color-indicator titration (ASTM D974)

Conc. (mg KOH/g)	Matrix	Size	Product No.
0.1	75 cSt Mineral Oil	100 g	VHG-AN-0.1-100G
0.5	75 cSt Mineral Oil	100 g	VHG-AN-0.5-100G
1	75 cSt Mineral Oil	100 g	VHG-AN-1-100G

Color Standards

Description	Size	Product No.
Colour Reference Standard Saybolt Colour -10	500 mL	ALK-134040.00
Colour Reference Standard Saybolt Colour 0	500 mL	ALK-134050
Colour Reference Standard Saybolt Colour +12	500 mL	ALK-134060
Colour Reference Standard Saybolt Colour +25	500 mL	ALK-134070