

JET A-1 AVIATION TURBINE FUEL

Aviation Kerosene | DEF STAN 91-091 / ASTM D1655

Product	Jet A-1 Aviation Turbine Fuel
Grade	Jet A-1 / Aviation Kerosene
Model	JET-A1
HS Code	271019 (broad 6-digit HS heading; local tariff subcodes vary)
Trade Unit	Metric Ton (MT) / Bulk

Product Description

Jet A-1 is a kerosene-type aviation turbine fuel used in gas-turbine aircraft. It is produced and quality-controlled to recognized aviation-fuel specifications such as DEF STAN 91-091 and ASTM D1655. Jet A-1 is distinguished by a maximum freezing point of -47 C, supporting reliable operation at high altitude and in low-temperature conditions. Commercial supply is subject to cargo-specific quality certification, handling requirements, applicable aviation-fuel standards, and agreed contract terms.

Key Product Specification

Parameter	Typical Jet A-1 Requirement
Appearance	Clear, bright and visually free from undissolved water / solid matter
Density at 15 C	775 - 840 kg/m3
Flash Point	Minimum 38 C
Freezing Point	Maximum -47 C
Kinematic Viscosity at -20 C	Maximum 8.0 mm2/s
Total Sulfur	Maximum 0.30% m/m
Mercaptan Sulfur	Maximum 0.0030% m/m or negative Doctor Test
Aromatics	Maximum 25.0% v/v
10% Distillation Recovery	Maximum 205 C
Final Boiling Point	Maximum 300 C
Smoke Point	Minimum 25 mm
Net Heat of Combustion	Minimum 42.8 MJ/kg
Copper Corrosion	Maximum Class 1
Electrical Conductivity	Typically controlled within specification at point of delivery

Important: These are general Jet A-1 specification limits for product listing purposes. The actual cargo Certificate of Quality / Product Passport and independent inspection results should govern each transaction. Place of origin should only be stated where supported by the shipment Certificate of Origin. Customs sub-classification beyond the 6-digit HS level varies by country.

Reference standards: DEF STAN 91-091; ASTM D1655; AFQRJOS / JIG requirements where applicable.