

SUSTAINABLE AVIATION

SAF

Sustainable Aviation Fuel — Drop-in Blends

PRIMARY SPEC

ASTM D7566 / ASTM D1655 (blend)

NATO CODE

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DOCUMENT

TDS · Rev. 2026-07

PRODUCT OVERVIEW

Sustainable Aviation Fuel (SAF) is a drop-in aviation turbine fuel produced via ASTM D7566-approved pathways. Once blended and certified within approved limits, it is handled as Jet A-1 in existing aircraft and airport infrastructure.

Typical applications: Airlines · Corporate aviation · CORSIA / ReFuelEU compliance programs

KEY TECHNICAL PROPERTIES

PROPERTY	LIMIT / VALUE	TEST METHOD
Neat SAF Specification	ASTM D7566 (approved pathways)	—
Finished Blend Spec	ASTM D1655 / DEF STAN 91-091	—
Typical Pathways	HEFA, FT-SPK, ATJ, SIP, HC-HEFA	ASTM Annexes
Max Blend Ratio (pathway-dependent)	Up to 50% vol (HEFA/FT typical)	ASTM D7566
Drop-in Compatibility	Yes — existing engines & infrastructure	—
Flash / Freeze / Density	Per Jet A-1 after blending	DEF STAN / ASTM
GHG Reduction Potential	Up to ~80% vs fossil Jet A-1 (pathway)	LCA / CORSIA
Sustainability Certification	ISCC / RSB (pathway & batch)	—
Compliance Support	CORSIA · ReFuelEU · chain of custody	—
Supply Options	Physical blend · Book & claim	—

QUALITY & SUPPLY NOTES

Documentation package may include CoA, sustainability declaration, PoS/chain-of-custody and CORSIA/ReFuelEU reporting support subject to pathway and allocation.

Values shown are typical specification limits for guidance. Batch CoA prevails. Suat Fuels supplies certified product with full documentation at 2,200+ airports worldwide.