

Representative Product Specification

Emerging Fuels Technology Fischer-Tropsch Hydroprocessed Synthesized Paraffinic Kerosene (SPK)				
Fischer-Tropsch aviation fuel blend SPK is a highly paraffinic synthetic product that meets all requirements of the ASTM DF75866 Anex 1 specifications. EFT SPK is sulfur and aromatics free, non-toxic and biodegradable.				
Typical Physical Characteristics	Units	Test Method	Specification Value	Sample Properties
Annex 1 Table A1.1				
Acidity	Total KOH/g	D3242	Max 0.015	<0.015
Distillation 10% Off	°C	D86	Max 205	173.1
Distillation FBP	°C	D96	Max 300	266.8
Residue	%	D86	Max 1.5	1.4
% Loss	%	D86	Max 1.5	0.6
Flashpoint	°C	D3282	Min 38	46
Density @ 15°C	kg/m ³	D1298	Min 73	759
			Max 770	759
Freeze Point Jet	°C	-40	D2386	-61.3
Freeze Point Jet A	°C	-47	D2383	-61.3
Thermal Stability Temp	°C	Min 325	D3241	325
Thermal Pressure Drop	mm Hg	Min 25	D3241	0
Tube Deposit	Rating	3	D3241	<1
Deposit Thickness	nm	Max 85	D3241	21
Annex 1 Table A1.2				
Hydrocarbon Composition				
Cycloparrafins	Max %	D4245	15	5.2
Aromatics	Mass %	D4245	0.5	0.3
Paraffins	Mass %	D4245	Report	Pass
Carbon and Hydrogen min	Mass%	D5291	99.5	99.95
Non-hydrocarbon Composition				
Nitrogen max	mg/Kg	D4629	2	<0.2
Water max	mg/Kg	D6304	75	<20
Sulfur max	mg/Kg	D5453	15	<10
Metals max	mg/kKg	UOP 389	0.1/metal	All < 0.1
Halogen Max	mg/kg	D7359	1	<1

About Us:

Emerging Fuels Technology (EFT) is a technology company focused on methods for producing synthetic fuels and specialty products from a variety of feedstocks such as natural gas, biogas, biomass, municipal solid waste (MSW), sources of CO₂ and bio-derived oils. EFT is one of the world's foremost authorities on Fischer-Tropsch (FT) and related synthesis, licensing the core technologies and upgrade packages for projects from 50 to 10,000 barrels per day. www.emergingfuels.com

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