

## 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 D7566 Annex 1 specifications. EFT SPK is sulfur and aromatics free, non-toxic and biodegradable.				
Typical Physical Characteristics	Units	Test Method	Specification Value	Sample Properties
<b>Annex 1 Table A1.1</b>				
Acidity	Total KOH/g	D3242	Max 0.015	< 0.015
Distillation 10% Off	°C	D86	Max 205	173.1
Distillation FBP	°C	D86	Max 300	266.8
Residue	%	D86	Max 1.5	1.4
% Loss	%	D86	Max 1.5	0.6
Flashpoint	°C	D56	Min 38	46
Density @ 15°C	Kg/m <sup>3</sup>	D1298	Min 730	759
			Max 770	759
Freeze Point Jet A	°C	D2386	Max -40	-61.3
Freeze Point Jet A-1	°C	D2386	Max -47	-61.3
Thermal Stability Temp	°C	D3241	Min 325	325
Thermal Pressure Drop	mm Hg	D3241	Max 25	0
Tube Deposit	Visual Rating	D3241	< 3	< 1
Deposit Thickness	nm	D3241	Max 85	21
<b>Annex 1 Table A1.2</b>				
Hydrocarbon Composition				
Cycloparaffins	Mass %	D2425	Max 15	5.2
Aromatics	Mass %	D2425	Max 0.5	0.3
Paraffins	Mass %	D2425	Report	94.5
Carbon and Hydrogen	Mass %	D5291	Min 99.5	99.95
Non-Hydrocarbon Composition				
Nitrogen	mg/Kg	D4629	Max 2	< 0.2
Water	mg/Kg	D6304	Max 75	< 20
Sulfur	mg/Kg	D5453	Max 15	< 10
Metals	mg/Kg	UOP 389	Max 0.1/metal	All < 0.1
Halogen	mg/kg	D7359	Max 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 CO<sub>2</sub> 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](http://www.emergingfuels.com)

## Disclaimer

The information, tools and material (collectively, information) contained herein is not directed to or intended for distribution or use by any person or entity who is a citizen or resident of or located in any jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation or which would subject Emerging Fuels Technology, to any registration or licensing requirement within such jurisdiction.

The information presented herein is provided for informational purposes only and is not to be used or considered as an offer to sell, or buy securities or other financial instruments, or any advice or recommendation with respect to such securities or other financial instruments. The information may not be reproduced in whole or in part or otherwise made available without the prior written consent of Emerging Fuels Technology. Information and opinions presented have been obtained or derived from sources believed to be reliable, but Emerging Fuels Technology makes no representation as to their accuracy or completeness. Emerging Fuels Technology, accepts no liability for any loss arising from the use of the information contained herein.

This information is subject to periodic update and revision. Materials should only be considered current as of the date of the initial publication, without regard to the date on which you may access the information. Emerging Fuels Technology, maintains the right to delete or modify the information without prior notice.

Under no circumstances and under no theory of law, tort, contract, strict liability or otherwise, shall Emerging Fuels Technology be liable to anyone for any damages resulting from access or use of, or inability to access or use, this information regardless of whether they are direct, indirect, special, incidental, or consequential damages of any character, including damages for trading losses or lost profits, or for any claim or demand by any third party, even if Emerging Fuels Technology knew or had reason to know of the possibility of such damages, claim or demand.