NIVITH TRADING FZ LLC
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SPECIFICATION

AVIATION KEROSENE JET A-1 FUEL

PROPERTY	UNITS	LIMITS		TEST METHODS (1)	
				ASTM STANDARDS	IP STANDARDS
Appearance		Clear, bright and visually free from solid matter and undissolved water at ambient temperature.		Visual	
Saybolt color (2)		report		D 156 D 6045	
Particulate contamination (3) or	mg/l	maximum 1,0		D 5452	IP 423
Particles per channel (4)	Particles per channel & ISO code	Channel counts	ISO Code		IP 565 IP 577
≥ 4 µm(c)		report	maximum 19		
≥ 6 µm(c)		report	maximum 17		
≥ 14 µm(c)		report	maximum 14		
≥ 21 µm(c)		report	report		
≥ 25 µm(c)		report	report		
≥ 30 µm(c)		report	maximum 13		
Total acidity	mg KOH/g	maximum 0,015		D 3242	IP 354
Aromatic hydrocarbon types: (5 y 6)					
Aromatics or	% V/V	maximum 25,0		D 1319	IP 156
Total Aromatics	% V/V	maximum 26,5		D 6379	IP 436
Sulfur, Total	% m/m	maximum 0,30			IP 336
Sulfur, Mercaptan (7) or	% m/m	maximum 0,0030		D 3227	IP 342
Doctor Test		Doctor Negative			IP 30
Refining components, at point of manufacture (8):					
Non-hydroprocessed components	% V/V	report			
Severely hydroprocessed components	% V/V	report			
Synthetic components (9)	% V/V	report			
Distillation (10):	°C	report		D 86	IP 123
Initial Boiling point	°C	maximum 205.0			
10 % V/V recovery	°C	report			
50 % V/V recovery	°C	report			
90 % V/V recovery	°C	maximum 300.0			
End Point	% V/V	maximum 1,5			
Residue	% V/V	maximum 1,5			
Loss					
Flash point	°C	minimum 38 0			IP 170
Density at 15 °C	kg/m³	775,0 a 840,0		D 4052	IP 365
Freezing point (11)	°C	maximum -47.0		D 2386	IP 16
Viscosity at -20 °C	mm²/s	maximum 8,000		D 445	IP 71
Smoke point (12) or	mm	minimum 25,0		D 1322	IP 598
Smoke point (12) and	mm	minimum 18,0		D 1322	IP 598
Naphthalenes	% V/V	maximum 3,00		D 1840	
Specific energy	MJ/kg	minimum 42,80		(13)	
Copper corrosion (14)	Class	maximum 1b		D 130	IP 154