

Phone: +48732096484

Web: info@chemover-sp.com

ADDRESS: Milenijna 43, 03-130,
Warszawa, Polska

Chemover



KRS: 0000392189

NIP: 5213609779

REGON: 142990739

STANDARD SPECIFICATION OF AVIATION JET FUEL A1

COMPOSITION Appearance Colour, Saybolt Acidity, Total (mg KOH/g) Aromatics (vol %) Sulphur, Total (wt %) Sulphur, Mercaptan (wt %) OR Doctor Test	C&B (1) Report (2) Max. 0.10 Max. 25.0 Max. 0.25, Max. 0.0030 (3) Negative (3)	Visual D156, D6045 D3242, IP 354 D1319, IP 156, GOST R 52063 D1266, D1552, D2622, D4294, D5453, IP107, IP 243, IP 336, IP 373, IP 447, GOST R 51947, GOST R 51859 D3227, IP 342, GOST R 52030 D4952, IP 30
VOLATILITY Distillation Temperature: 10% Recovery (°C) 50% Recovery (°C) 90% Recovery (°C) Final BP (°C) Distillation Residue (vol %) Distillation Loss (vol %) Flash Point (°C) Density @ 15°C (kg/m ³)	Max. 205.0 Report Report Max. 300.0 Max. 1.5 Max. 1.5 Min. 38.0 775.0 - 840.0	D86, IP 123 D56 (4), D3828, IP170 D1298, D4052, IP 160, IP 365, GOST R 51069
FLUIDITY Freezing Point (°C) Viscosity @ -20°C (cSt)	Max. -47.0 (5) Max. 8	D2386, D5972, D 7153, IP 16, IP 435, IP 529 D445, IP 71
COMBUSTION Net Heat of Combustion (MJ/kg) Smoke Point (mm) OR Smoke Point (mm) AND Naphthalenes (vol %)	Min. 42.80 (6) Min. 25 Min. 19 Max. 3	D3338, D4529, D4809, IP 12, IP 355 D1322, IP 57 D1322, IP57 D1840
CORROSION Copper Strip (2h @ 100°C)	Max. No.1	D130, IP 154
THERMAL STABILITY JFTOT 6P @ 260°C (mm Hg) Tube Rating (Visual)	Max. 25 Max. <3 (7)	D3241, IP 123
CONTAMINANTS Existent Gum Water Reaction Interface Rating MSEP Rating Fuel without SDA Fuel with SDA Particulates (mg/dm ³)	Max. 7 (8) Max. 1b Min. 85 Min. 70 Max. 1.0 (2)	D381, IP 131 D1094 D5452, IP423
OTHER Conductivity (pS/m) Without SDA BOCLE Wear Scar Diameter (mm)	50-600 Max. 10 Max. 0.85 (9)	D2624, IP 274, GOST 25950 D5001
ADDITIVES Antioxidant Static Dissipator Lubricity Improver	Optional (24 mg/L max) Optional (10) Optional (11)	

Phone: +48732096484

Web: info@chemover-sp.com

ADDRESS: Milenijna 43, 03-130,
Warszawa, Polska

Chemover



KRS: 0000392189

NIP: 5213609779

REGON: 142990739

COMPOSITION	-	JET A-1 KEROSENE	TEST METHOD ASTM	TEST METHOD IP
APPEARANCE	-	C & B (1)	-	-
ACIDITY, TOTAL (MG KOH/G)	Max.	0.015	D3242	35 4
AROMATICS (VOL %)	Max.	25.0	D1319	15 6
OR TOTAL AROMATICS (VOL %)	Max.	26.5	-	43 6
SULPHUR, TOTAL (WT %)	Max.	0.30	D1266, D1552,	107, 243, 336,
SULPHUR, MERCAPTAN (WT %)	Max.	0.0030	D3227	34 2
OR DOCTOR TEST	-	Negative	D4952	3 0
H/P COMPONENTS (VOL%)	-	Report	-	-
SEVERELY H/P COMPONENTS (VOL%) (2)	-	Report	-	-
VOLATILITY	-	-	-	-
DISTILLATION TEMPERATURE:	-	-	D8 6	12 3
INITIAL BP (°C)	-	Report	-	-
10% RECOVERY (°C)	Max.	205.0	-	-
50% RECOVERY (°C)	Max.	Report	-	-
90% RECOVERY (°C)	Max.	Report	-	-
FINAL BP (°C)	Max.	300.0	-	-
DISTILLATION RESIDUE (VOL %)	Max.	1.5	-	-
DISTILLATION LOSS (VOL %)	Max.	1.5	-	-
FLASH POINT (°C)	Min.	38.0	D56, D3828	170, 303
DENSITY @ 15°C (KG/M3)	-	775.0-840.0	D1298, D4052	160, 365
FLUIDITY	-	-	-	-
FREEZING POINT (°C)	Max.	-47.0	D2386, D5972	1 6
VISCOSITY @ -20°C (CST)	Max.	8.000	D445	7 1
COMBUSTION	-	-	-	-
NET HEAT OF COMB. (MJ/KG)	MIN.	42.80	D3338, D4529,	12, 381, 355

📍 Milenijna 43, 03-130, Warszawa,
Polska

☎ +48732096484

✉ info@chemover-sp.com

Phone: +48732096484

Web: info@chemover-sp.com

ADDRESS: Milenijna 43, 03-130,
Warszawa, Polska

Chemover



KRS: 0000392189

NIP: 5213609779

REGON: 142990739

1	Appearance			
1.1	Visual appearance	Clear & Bright, free from solid matter & undissolved water at ambient temperature		Clear & Bright
1.2	Color	Report	ASTMD 156 or ASTMD 6054	25
1.3	Particulate Contamination at point of manufacture, mg/l	1.0 max	IP 423 / ASTMD 5425	0.80
1.4	Particulate at point of manufacture			
1.4.1	$\geq 4 \mu\text{m}(c)$	Report	IP 564 or IP 565	2500
1.4.2	$\geq 6 \mu\text{m}(c)$	Report		950
1.4.3	$\geq 14 \mu\text{m}(c)$	Report		99
1.4.4	$\geq 21 \mu\text{m}(c)$	Report		22
1.4.5	$\geq 25 \mu\text{m}(c)$	Report		15
1.4.6	$\geq 30 \mu\text{m}(c)$	Report		10
2	Composition			
2.1	Total Acidity, mg KOH/gm	0.015 max.	ASTMD 3242	0.009
2.2	Aromatic Hydrocarbon types			
2.2.1	Aromatic % v/v	25 max	IP 156 / ASTMD 1319	18.5
2.2.2	Total aromatic % v/v	26.5 max	IP 436 / ASTMD 6379	18.5
2.3	Sulphur, Total %m/m	0.3 max	ASTMD 4294	0.25
	Sulphur Mercaptan %m/m	0.003 max	ASTMD 3227	0.0020
2.4				
or	Doctor Test	Doctor Negative	IP 30	
2.5				
2.6	Refining component, at the point of manufacture			
2.6.1	1. Hydro processed component, % v/v	Report		
2.6.2	2. Several hydro processed component %v/v	Report		
3	Volatility			
3.1	Distillation -IBP °C,	-	ASTMD 80	155

📍 Milenijna 43, 03-130, Warszawa,
Polska

☎ +48732096484

✉ info@chemover-sp.com

Phone: +48732096484

Web: info@chemover-sp.com

ADDRESS: Milenijna 43, 03-130,
Warszawa, Polska

Chemover



KRS: 0000392189

NIP: 5213609779

REGON: 142990739

	Fuel Recovered 10%by Volume at 0C	205 max	-	171
	Fuel Recovered 50%	Report	-	195
	by Volume at 0C			
	Fuel Recovered 90% by Volume at 0C	Report	-	195
	Final boiling point 0C	300 Max	-	254
	Residue % volume	1.5 Max	-	1.0
	Lose % Volume	1.5	-	1.0
3.2	Flash point 0C	38 Min	IP 170	42
3.3	Density @15 0C kg/m3	Min 775.0 Max 840.0	IP 365 /ASTM D 4052	799
4	Fluidity			
4.1	Freezing point 0C	Minus 47 Max	IP 16/ ASTM D 2386	Minus 52
4.2	Kin Viscosity at minus 20 0C mm2/s	8.00 Max	IP 71 / ASTM D 445	4.10
5	Combustion			
5.1	Smoke point, mm or	25 Min	ASTMD 1322 / IP 57	24
	Smoke point	19 Min	ASTMD 1322 / IP 57	
	And Naphtalene % Vol	3 Max	ASTM D 1840	2.3
5.2	Specific Energy ml/kg Min	42.8	Annex C	43.27
6	Corrosion			
6.1	Cu strip for 2 hours @ 1000C	Not worse than No. 1	ASTM D 130	No.1
7	Thermal Stability JEFOT			
7.1	Thermal Stability Jefot		IP 323 / ASTM D 3241	
	Test Temperature, 0C	Min 260		
7.2	Tube rating, visual	< 3 (no peacock) or abnormal color		Zero, no peacock