

PRODUCT SPECIFICATIONS / DATA SHEETS



APPLICABLE FOR FUEL PROCUREMENTS

			2024
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CEYLON PETROLEUM CORPORATION
TECHNICAL SERVICES & CORPORATE AFFAIRS

REVISION-18
21.03.2024

Updated on 21st March 2024

SPECIFICATIONS / DATA SHEET OF GAS OIL (500 mg/kg MAX SULPHUR)

PROPERTY/TEST	TEST METHOD	SPECIFICATIONS
APPEARANCE		CLEAR, BRIGHT AND FREE FROM WATER & VISIBLE IMPURITIES
DENSITY @ 15 °C, kg/m ³	ASTM D 1298 ASTM D 4052	820 - 860
COLOUR	ASTM D 1500	MAX. 1.5
DISTILLATION	ASTM D 86	
IBP, °C		REPORT
T10, °C		REPORT
T50, °C		REPORT
T85, °C		MAX. 350
T95, °C		MAX. 370
CETANE INDEX OR	ASTM D 976 / ASTM D 4737	MIN. 46 (Note1)
CETANE NUMBER	ASTM D 613	MIN. 49
CLOUD POINT, °C	ASTM D 2500 ASTM D 5771 ASTM D 5773	MAX. 15
CFPP, °C	ASTM D 6371	MAX. 5
SULPHUR CONTENT, mg/kg	ASTM D 4294/2622	MAX. 500
FLASH POINT, °C	ASTM D 93	MIN. 60
VISCOSITY KIN @ 40 °C, cSt	ASTM D 445	2 - 4.5
WATER CONTENT mg/kg	ASTM D 6304	MAX. 200
CU - STRIP CORROSION 3 hrs @ 50 °C	ASTM D 130	MAX. 1
ASH, % m/m	ASTM D 482	MAX. 0.01
CARBON RESIDUE, % m/m	ASTM D 524 / ASTM D 4530	MAX. 0.3
PARTICULATE CONTAMINANTS, TOTAL, mg/l	ASTM D 6217	MAX. 10
STRONG ACID NO., mg KOH/g	ASTM D 664/974	NIL
TOTAL ACID NO., mg KOH/g	ASTM D 664/974	MAX. 0.2
CALORIFIC VALUE GROSS, kcal/kg	ASTM D 240	MIN. 10500
OXIDATION STABILITY, g/m ³	ASTM D 2274	MAX. 25
DSEP RATING	ASTM D 7261	50 - 100
FAME	ASTM D 7371	NON DETECTABLE (Note 2)
LUBRICITY (HFRR wear scar dia.@60°C), micron	ASTM D 6079	MAX. 460

IMPORTANT:

Note 1: NOT APPLICABLE IF ANY CETANE IMPROVER ADDITIVE IS PRESENT

Note 2: ADDITION OF BIO DIESEL OR BIODIESEL BLENDS ARE NOT PERMITTED

Updated on 21st March 2024

SPECIFICATIONS / DATA SHEET OF GAS OIL (10 mg/kg MAX SULPHUR)

PROPERTY/TEST	TEST METHOD	SPECIFICATIONS
APPEARANCE		CLEAR, BRIGHT AND FREE FROM WATER & VISIBLE IMPURITIES
DENSITY @ 15 °C, kg/m ³	ASTM D 1298 / ASTM D 4052	820 - 845
COLOUR	ASTM D 1500	MAX. 1.5
DISTILLATION	ASTM D 86	
E250 ,Vol %		MAX. 65
E350 ,Vol %		MIN. 85
T95, °C		MAX. 360
CETANE INDEX OR	ASTM D 976 / ASTM D 4737	MIN. 50 (Note1)
CETANE NUMBER	ASTM D 613	MIN. 51
CFPP, °C	ASTM D 6371	MAX. +5
SULPHUR CONTENT, mg/kg	ASTM D 5453 / ASTM D 2622	MAX. 10
FLASH POINT, °C	ASTM D 93	MIN. 55
VISCOSITY KIN @ 40 °C, cSt	ASTM D 445	2 - 4.5
WATER CONTENT, mg/kg	ASTM D 6304	MAX. 200
CU -STRIP CORROSION 3 hrs @ 50 °C	ASTM D 130	MAX. 1
ASH, % m/m	ASTM D 482	MAX. 0.01
CARBON RESIDUE, % m/m	ASTM D 524 / ASTM D 4530	MAX. 0.2
PARTICULATE CONTAMINANTS, TOTAL, mg/l	ASTM D 6217	MAX. 10
STRONG ACID NO., mg KOH/g	ASTM D 664/974	NIL
TOTAL ACID NO., mg KOH/g	ASTM D 664/974	MAX. 0.2
CALORIFIC VALUE GROSS, kcal/kg	ASTM D 240	MIN. 10600
OXIDATION STABILITY, g/m ³	ASTM D 2274	MAX. 25
DSEP RATING	ASTM D 7261	50 - 100
FAME	ASTM D 7371	NON DETECTABLE (Note 2)
LUBRICITY	ASTM D 6079	MAX. 460
HFRR wear scar dia.@60°C), micron		
POLYCYCLIC AROMATIC HYDROCARBONS, % m/m	ASTM D 6591	MAX. 11

IMPORTANT:

Note 1: NOT APPLICABLE IF ANY CETANE IMPROVER ADDITIVE IS PRESENT

Note 2: ADDITION OF BIO DIESEL OR BIODIESEL BLENDS ARE NOT PERMITTED

Updated on 21st March 2024

SPECIFICATIONS / DATA SHEET OF GASOLINE (92 UNL)

PROPERTY / TEST	TEST METHOD	SPECIFICATIONS
APPEARANCE		BRIGHT, CLEAR AND FREE FROM WATER, VISIBLE IMPURITIES & DYES (Note 1)
DENSITY @ 15 °C, kg/m ³	ASTM D 1298 ASTM D 4052	720 - 785
REID VAPOUR PRESSURE @ 37.8 °C, kPa	ASTM D 323	45-60
RESEARCH OCTANE NUMBER (RON)	ASTM D 2699	MIN. 92
MOTOR OCTANE NUMBER (MON)	ASTM D 2700	MIN. 82
DISTILLATION	ASTM D 86	
IBP, °C		REPORT
T10, °C		45-70
T50, °C		80 -125
T90, °C		MAX. 180
FBP, °C		MAX. 210
RESIDUE, vol. %		MAX. 2.0
E150, vol. %		MIN. 70
DOCTOR TEST or MERCAPTAN SULPHUR, mg/kg	IP 30/ ASTM D 4952 ASTM D 3227/IP 342	SWEET or MAX 15ppm RSH
SULPHUR CONTENT, mg/kg	ASTM D 4294 ASTM D 5453 ASTM D 2622	MAX. 150
LEAD CONTENT, g/l	ASTM D 5059 / ASTM D 3237	MAX. 0.013 (Note 2)
UNWASHED GUMS, mg/100 ml	ASTM D 381	MAX. 30
WASHED GUMS, mg/100 ml	ASTM D 381	MAX. 5
OXYGENATE, % v/v	ASTM D 4815	MAX. 15
OXYGEN CONTENT, % m/m	ASTM D 4815	MAX. 2.7
OXIDATION STABILITY, Minutes	ASTM D 525	MIN. 480
COPPER CORROSION 3h @ 50 °C	ASTM D 130	MAX. 1
BENZENE, % v/v	ASTM D 3606 / ASTM D 5580	MAX. 2.5
TOTAL AROMATICS, % v/v	ASTM D 5580	MAX. 40
OLEFINS CONTENT, % v/v	ASTM D 1319 ASTM D 6730	MAX. 18

NOTE 1: SPECIFY TAGGING COMPONENTS, IF ANY**NOTE 2:** NO INTENTIONAL ADDITION OF LEAD COMPOUNDS**IMPORTANT:**

- THERE SHALL BE NO INTENTIONAL ADDITION OF METAL COMPOUNDS CONTAINING FERROUS, MANGANESE & PHOSPHORUS
- ADDITION OF ALCOHOLS ARE NOT PERMITTED

Updated 21st March 2024

SPECIFICATIONS / DATA SHEET OF GASOLINE (95 UNL)

PROPERTY / TEST	TEST METHOD	SPECIFICATIONS
APPEARANCE		BRIGHT, CLEAR & FREE FROM WATER, VISIBLE IMPURITIES & DYES (Note 1)
DENSITY @ 15 °C, kg/m ³	ASTM D 1298 ASTM D 4052	720 - 775
REID VAPOUR PRESSURE @ 37.8 °C, kPa	ASTM D 323	45 - 60
RESEARCH OCTANE NUMBER (RON)	ASTM D 2699	MIN. 95
MOTOR OCTANE NUMBER (MON)	ASTM D 2700	MIN. 85
DISTILLATION	ASTM D 86	
IBP, °C		REPORT
E100, Vol %		46-71
E150, Vol %		MIN. 75
FBP, °C		MAX. 210
RESIDUE, Vol %		MAX. 2.0
DOCTOR TEST or MERCAPTAN SULPHUR, mg/kg	IP 30/ ASTM D 4952 ASTD D 3227/IP 342	SWEET or MAX. 15ppm RSH
SULPHUR CONTENT, mg/kg	ASTM D 5453 ASTM D 2622	MAX. 50
LEAD CONTENT, g/l	ASTM D 5059 / ASTM D 3237	MAX. 0.005 (Note 2)
TOTAL AROMATICS, % v/v	ASTM D 5580	MAX. 35
WASHED GUMS, mg/100 ml	ASTM D 381	MAX. 5
OXYGENATE, % v/v	ASTM D 4815	MAX. 15
OXYGEN CONTENT, %m/m	ASTM D 4815	MAX. 2.7
OXIDATION STABILITY, MINutes	ASTM D 525	MIN. 360
COPPER CORROSION 3 hrs @ 50 °C	ASTM D 130	MAX. 1
BENZENE, % v/v	ASTM D 3606 / ASTM D 5580	MAX. 1
OLEFINS CONTENT, % v/v	ASTM D 1319 ASTM D 6730	MAX. 18

NOTE 1: SPECIFY TAGGING COMPONENTS, IF ANY.

NOTE 2: NO INTENTIONAL ADDITION OF LEAD COMPOUNDS.

IMPORTANT:

- THERE SHALL BE NO INTENTIONAL ADDITION OF METAL COMPOUNDS CONTAINING FERROUS, MANGANESE & PHOSPHORUS.
- ADDITION OF ALCOHOLS ARE NOT PERMITTED



Updated on 21st March 2024

SPECIFICATIONS / DATA SHEET OF HIGH SULPHUR FUEL OIL 180 CST

PROPERTY/TEST	TEST METHOD IP	ASTM-D	CPC SPECS
DENSITY @ 15 DEG C, kg/m ³	160	1298/4052	900 - 970
FLASH POINT PM CC, °C	34	93	MIN. 60
POUR POINT, °C	15	97/5949/5950	MAX. 24
TOTAL SULPHUR CONTENT, % (w/w)	61	4294/2622	MAX. 3.5
VISCOSITY KINEMATIC @ 50°C, cSt	71	445	MAX. 175
WATER CONTENT, % (v/v)	74	95	MAX. 0.5
ASH, % (w/w)	4	482	MAX. 0.1
CARBON RESIDUE, % (w/w)	398	189/4530/524	MAX. 12
SEDIMENT BY EXTRACTION, % wt.	53	473	MAX. 0.1
ASPHALTENES, m/m %	143	6560	MAX. 5.0
TOTAL SEDIMENT POTENTIAL, % m/m	375	4870	MAX. 0.1
CALORIFIC VALUE GROSS, Kcal/kg.	12	240	MIN. 10,200
ACID NUMBER KOH, mg/g	1	974/664	MAX. 2.5
STRONG ACID KOH, mg/g	1	974/664	NIL
HYDROGEN SULFIDE (H ₂ S), mg/kg	570	-	MAX. 2.0
METAL CONTAMINANTS			
VANADIUM(V), mg/kg	288/501	3605	MAX. 150
LEAD(Pb), mg/kg		3605	MAX. 15
ALUMINIUM(Al)+SILICON(Si), mg/kg	501/377		MAX. 50
SODIUM(Na)+POTASSIUM(K), mg/kg	501	3605	MAX. 50
ZINC(Zn), mg/kg	501/470		MAX. 15
PHOSPHORUS(P), mg/kg	501/500		MAX. 15
CALCIUM(Ca), mg/kg	501/470		MAX. 30
IRON(Fe), mg/kg	501	3605	MAX. 30
VANADIUM (V) : SODIUM (Na) RATIO	By Calculation		Less than 2.5 or Greater than 3.5

NOTES :

- (i) THE FUEL SHALL NOT INCLUDE ANY ADDED SUBSTANCES OR CHEMICAL WASTE, WHICH JEOPARDIZES THE SAFETY OF INSTALLATIONS OR ADVERSELY AFFECTS THE PERFORMANCES OF THE MACHINES OR IS HARMFUL TO PERSONNEL OR CONTRIBUTES OVERALL TO AIR POLLUTION.
- (ii) THIS FUEL IS USED IN POWER PLANTS HAVING HEAVY DUTY GAS TURBINES WHICH ARE CONNECTED TO THE NATIONAL GRID OF THE COUNTRY'S ELECTRICITY SUPPLY. AS SUCH THE SELLER MUST TAKE EVERY PRECAUTION TO SUPPLY HIGH SULPHUR FUEL OIL 180 CST AS PER THE TENDER SPECIFICATIONS AND IS RESPONSIBLE TO SUPPLY MERCHANTABLE GRADE OF PRODUCTS.
- (iii) THE PRODUCT SHOULD BE LOADED FROM SHORE TANKS TO MEET THE SAID SPECIFICATIONS, PREFERABLE EX-REFINERY AND SHOULD ALWAYS AVOID SHIP TO SHIP TRANSFERS OR OTHER TYPE OF FUEL OIL BLENDING, TO AVOID BLENDING WITH CONDENSATE.
- (iv) SELLER IS HEREBY MADE RESPONSIBLE FOR THE QUALITY OF HIGH SULPHUR FUEL OIL CARGO PURCHASED FROM OTHER SUPPLIERS AND SUPPLIED TO CPC.
- (v) THE INDEPENDENT INSPECTOR MUTUALLY APPOINTED BY THE SELLER AND THE BUYER SHOULD CERTIFY THAT THE PRODUCT LOADED IS FREE FROM USED LUBRICATING OIL (ULO) AS DESCRIBED IN ANNEX. H OF THE ISO 8217:2005 (E) STANDARDS FOR PETROLEUM PRODUCTS - FUELS (CLASS F) - SPECIFICATIONS OF MARINE FUELS.
- (vi) THE INDEPENDENT INSPECTOR MUTUALLY APPOINTED BY THE SELLER AND THE BUYER SHALL FORWARD THE ANALYSIS REPORT AND THE TANK INSPECTION CERTIFICATE BEFORE LOADING, TO BOTH PARTIES.
- (vii) UNDER NO CIRCUMSTANCES, THE CARGO SHOULD BE LOADED TO THE VESSEL WITHOUT OBTAINING THE PRIOR APPROVAL FROM CPC FOR QUALITY AND SHIP TANK INSPECTION REPORT.
- (viii) THE PRESENCE OF FUEL CONTAMINANTS SPECIFIED IN TABLE 01 OF ASTM D7845 STANDARD SHALL NOT EXCEED THE QUANTITATION LIMITS DEFINED THEREIN, TO GUARANTEE THE SAFETY OF INSTALLATIONS, NOT TO ADVERSELY AFFECT THE PERFORMANCES OF THE MACHINES, NOT TO BE HARMFUL TO PERSONNEL AND NOT TO CONTRIBUTE TO AIR POLLUTION.

Updated on 21st March 2024**SPECIFICATIONS/DATA SHEET OF VERY LOW SULPHUR FUEL OIL 180 CST (MAX 0.5% SULPHUR)**

PROPERTY/TEST	TEST METHOD	ASTM-D	CPC SPECS
	IP		
DENSITY @ 15 °C, kg/m ³	160	1298/4052	900 - 970
FLASH POINT PMCC, °C	34	93	MIN. 60
POUR POINT, °C	15	97/5949/5950	MAX. 24
TOTAL SULPHUR CONTENT, % (w/w)	61	4294/2622	MAX. 0.5
VISCOSITY KINEMATIC @ 50°C, cSt	71	445	90 - 175
WATER CONTENT, % (v/v)	74	95	MAX. 0.5
ASH, % (w/w)	4	482	MAX. 0.1
CARBON RESIDUE, % (w/w)	398	189/4530/524	MAX. 12
SEDIMENT BY EXTRACTION, % wt.	53	473	MAX. 0.1
ASPHALTENES, m/m %	143	6560	MAX. 4.0
TOTAL SEDIMENT POTENTIAL, % m/m	375	4870	MAX. 0.1
CALORIFIC VALUE GROSS, Kcal/kg.	12	240	MIN. 10,300
ACID NUMBER KOH, mg/g	1	974/664	MAX. 2.5
STRONG ACID KOH, mg/g	1	974/664	NIL
HYDROGEN SULFIDE (H ₂ S), mg/kg	570	-	MAX. 2.0
METAL CONTAMINANTS			
VANADIUM(V), mg/kg	288/501	3605	MAX. 65
LEAD(Pb), mg/kg		3605	MAX. 1
ALUMINIUM(Al) + SILICON(Si), mg/kg	501/377		MAX. 50
SODIUM(Na) + POTASSIUM(K), mg/kg	501	3605	MAX. 30
ZINC(Zn), mg/kg	501/470		MAX. 15
PHOSPHORUS(P), mg/kg	501/500		MAX. 15
CALCIUM(Ca), mg/kg	501/470		MAX. 10
IRON(Fe), mg/kg	501	3605	MAX. 30
VANADIUM (V) : SODIUM (Na) RATIO	By Calculation		Less than 2.5 or Greater than 3.5

NOTES :

- (i) THE FUEL SHALL NOT INCLUDE ANY ADDED SUBSTANCES OR CHEMICAL WASTE, WHICH JEOPARDIZES THE SAFETY OF INSTALLATIONS OR ADVERSELY AFFECTS THE PERFORMANCES OF THE MACHINES OR IS HARMFUL TO PERSONNEL OR CONTRIBUTES OVERALL TO AIR POLLUTION.
- (ii) THIS FUEL IS USED IN POWER PLANTS HAVING HEAVY DUTY GAS TURBINES WHICH ARE CONNECTED TO THE NATIONAL GRID OF THE COUNTRY'S ELECTRICITY SUPPLY. AS SUCH THE SELLER MUST TAKE EVERY PRECAUTION TO SUPPLY LOW SULPHUR FUEL OIL 180 CST AS PER THE TENDER SPECIFICATIONS AND IS RESPONSIBLE TO SUPPLY MERCHANTABLE GRADE OF PRODUCTS.
- (iii) THE PRODUCT SHOULD BE LOADED FROM SHORE TANKS TO MEET THE SAID SPECIFICATIONS, PREFERABLE EX-REFINERY AND SHOULD ALWAYS AVOID SHIP TO SHIP TRANSFERS OR OTHER TYPE OF FUEL OIL BLENDING, TO AVOID BLENDING WITH CONDENSATE.
- (iv) SELLER IS HEREBY MADE RESPONSIBLE FOR THE QUALITY OF LOW SULPHUR FUEL OIL CARGO PURCHASED FROM OTHER SUPPLIERS AND SUPPLIED TO CPC.
- (v) THE INDEPENDENT INSPECTOR MUTUALLY APPOINTED BY THE SELLER AND THE BUYER SHOULD CERTIFY THAT THE PRODUCT LOADED IS FREE FROM USED LUBRICATING OIL (ULO) AS DESCRIBED IN ANNEX. H OF THE ISO 8217:2005 (E) STANDARDS FOR PETROLEUM PRODUCTS - FUELS (CLASS F) - SPECIFICATIONS OF MARINE FUELS).
- (vi) THE INDEPENDENT INSPECTOR MUTUALLY APPOINTED BY THE SELLER AND THE BUYER SHALL FORWARD THE ANALYSIS REPORT AND THE TANK INSPECTION CERTIFICATE BEFORE LOADING, TO BOTH PARTIES.
- (vii) UNDER NO CIRCUMSTANCES, THE CARGO SHOULD BE LOADED TO THE VESSEL WITHOUT OBTAINING THE PRIOR APPROVAL FROM CPC FOR QUALITY AND SHIP TANK INSPECTION REPORT.
- (viii) THE PRESENCE OF FUEL CONTAMINANTS SPECIFIED IN TABLE 01 OF ASTM D7845 STANDARD SHALL NOT EXCEED THE QUANTITATION LIMITS DEFINED THEREIN, TO GUARANTEE THE SAFETY OF INSTALLATIONS, NOT TO ADVERSELY AFFECT THE PERFORMANCES OF THE MACHINES, NOT TO BE HARMFUL TO PERSONNEL AND NOT TO CONTRIBUTE TO AIR POLLUTION.

Updated on 21st March 2024**SPECIFICATIONS / DATA SHEET OF FUEL OIL 180 CST (MAX 1.8% SULPHUR)**

PROPERTY/TEST	TEST METHOD IP	ASTM-D	CPC SPECS
DENSITY @ 15 °C, kg/m ³	160	1298/4052	900 - 970
FLASH POINT PM CC, °C	34	93	MIN. 60
POUR POINT, °C	15	97/5949/5950	MAX. 24
TOTAL SULPHUR CONTENT, % (w/w)	61	4294/2622	MAX. 1.8
VISCOSITY KINEMATIC @ 50°C, cSt	71	445	90 - 175
WATER CONTENT, % (v/v)	74	95	MAX. 0.5
ASH, % (w/w)	4	482	MAX. 0.1
CARBON RESIDUE, % (w/w)	398	189/4530/524	MAX. 12
SEDIMENT BY EXTRACTION, % wt.	53	473	MAX. 0.1
ASPHALTENES, m/m %	143	6560	MAX. 4.0
TOTAL SEDIMENT POTENTIAL, % m/m	375	4870	MAX. 0.1
CALORIFIC VALUE GROSS, Kcal/kg.	12	240	MIN. 10,300
ACID NUMBER, KOH mg/g	1	974/664	MAX. 2.5
STRONG ACID, KOH mg/g	1	974/664	NIL
HYDROGEN SULFIDE (H ₂ S), mg/kg	570	-	MAX. 2.0
METAL CONTAMINANTS			
VANADIUM(V), mg/kg	288/501	3605	MAX. 65
LEAD(Pb), mg/kg		3605	MAX. 1
ALUMINIUM(Al)+SILICON(Si), mg/kg	501/377		MAX. 80
SODIUM(Na)+POTASSIUM(K), mg/kg	501	3605	MAX. 30
ZINC (Zn), mg/kg	501/470		MAX. 15
PHOSPHORUS (P), mg/kg	501/500		MAX. 15
CALCIUM (Ca), mg/kg	501/470		MAX. 10
IRON (Fe), mg/kg	501	3605	MAX. 30
VANADIUM (V) : SODIUM (Na) RATIO	By Calculation		Less than 2.5 or Greater than 3.5

NOTES :

- (i) THE FUEL SHALL NOT INCLUDE ANY ADDED SUBSTANCES OR CHEMICAL WASTE, WHICH JEOPARDIZES THE SAFETY OF INSTALLATIONS OR ADVERSELY AFFECTS THE PERFORMANCES OF THE MACHINES OR IS HARMFUL TO PERSONNEL OR CONTRIBUTES OVERALL TO AIR POLLUTION.
- (ii) THIS FUEL IS USED IN POWER PLANTS HAVING HEAVY DUTY GAS TURBINES WHICH ARE CONNECTED TO THE NATIONAL GRID OF THE COUNTRY'S ELECTRICITY SUPPLY. AS SUCH THE SELLER MUST TAKE EVERY PRECAUTION TO SUPPLY FUEL OIL 180 CST (MAX 1.8% SULPHUR) AS PER THE TENDER SPECIFICATIONS AND IS RESPONSIBLE TO SUPPLY MERCHANTABLE GRADE OF PRODUCTS.
- (iii) THE PRODUCT SHOULD BE LOADED FROM SHORE TANKS TO MEET THE SAID SPECIFICATIONS, PREFERABLE EX-REFINERY AND SHOULD ALWAYS AVOID SHIP TO SHIP TRANSFERS OR OTHER TYPE OF FUEL OIL BLENDING, TO AVOID BLENDING WITH CONDENSATE.
- (iv) SELLER IS HEREBY MADE RESPONSIBLE FOR THE QUALITY OF FUEL OIL 180 CST (MAX 1.8% SULPHUR) CARGO PURCHASED FROM OTHER SUPPLIERS AND SUPPLIED TO CPC.
- (v) THE INDEPENDENT INSPECTOR MUTUALLY APPOINTED BY THE SELLER AND THE BUYER SHOULD CERTIFY THAT THE PRODUCT LOADED IS FREE FROM USED LUBRICATING OIL (ULO) AS DESCRIBED IN ANNEX. H OF THE ISO 8217:2005 (E) STANDARDS FOR PETROLEUM PRODUCTS - FUELS (CLASS F) - SPECIFICATIONS OF MARINE FUELS).
- (vi) THE INDEPENDENT INSPECTOR MUTUALLY APPOINTED BY THE SELLER AND THE BUYER SHALL FORWARD THE ANALYSIS REPORT AND THE TANK INSPECTION CERTIFICATE BEFORE LOADING, TO BOTH PARTIES.
- (vii) UNDER NO CIRCUMSTANCES, THE CARGO SHOULD BE LOADED TO THE VESSEL WITHOUT OBTAINING THE PRIOR APPROVAL FROM CPC FOR QUALITY AND SHIP TANK INSPECTION REPORT.
- (viii) THE PRESENCE OF FUEL CONTAMINANTS SPECIFIED IN TABLE 01 OF ASTM D7845 STANDARD SHALL NOT EXCEED THE QUANTITATION LIMITS DEFINED THEREIN AND THE CUMULATIVE TRACE AMOUNTS OF FUEL CONTAMINANTS SHALL BE LIMITED TO 100 PPM, TO GUARANTEE THE SAFETY OF INSTALLATIONS, NOT TO ADVERSELY AFFECT THE PERFORMANCES OF THE MACHINES, NOT TO BE HARMFUL TO PERSONNEL AND NOT TO CONTRIBUTE TO AIR POLLUTION, WHICH SHALL ONLY BE DETERMINED BY THE GC/MS EXTENDED HEADSPACE AT THE LOAD PORT.



SPECIFICATION / DATA SHEET FOR JET A-1

Fuel Specification and Testing as per the AVIATION FUEL QUALITY REQUIREMENTS FOR JOINTLY OPERATED SYSTEMS (AFQRJOS) - Issue 34 dated 19th January 2024

The product shall be supplied complying with the requirements specified in the latest version of the EI/JIG STANDARD 1530.

This specification and testing will be subject to any revisions of AFQRJOS and hence, shall be revised accordingly.

**SPECIFICATION / DATA SHEET FOR AVGAS 100LL**

Fuel Specification and Testing shall be as per the DEFENCE STANDARD 91-090 ISSUE 5 (PUBLICATION DATED 14TH DECEMBER 2019) for AVGAS 100LL.

THE PRODUCT SHALL BE SUPPLIED IN NEW STEEL EXPORT QUALITY DRUMS OF 200 LITRE CAPACITY AND HAVING TWO BUNGS (Ø2" AND Ø³/₄") COMPLYING WITH THE REQUIREMENTS SPECIFIED IN THE LATEST VERSION OF THE EI/JIG STANDARD 1530. DRUMS SHALL BE SUITABLY LINED/EPICOATED/INTERNALLY DOUBLE COATED COMPLYING WITH THE LATEST VERSION OF THE EI STANDARD 1541.

This specification and testing will be subject to any revisions of the DEFENCE STANDARD 91-090 and hence, shall be revised accordingly.