



NEUTRINO POWER & ENERGY PVT LTD

GSTIN : 23AAHCN4219J1ZI CIN : U50500MP2021PTC054818

EMAIL : sales@neutrinopowerandenergy.com

WEB : www.neutrinopowerandenergy.com

OFFICE- 207, BUSINESS ISLAND,NIPANIA,INDORE-452001

Ph: +918889005146, +91-7880094027, +91-8109863536

FURNACE OIL PRODUCT SPECIFICATION REPORT

SR	Parameters	Range (Grades)	Standard methods of Analysis
1	Density @ 15°C g/ml	0.96-0.99	ASTM D 1298
2	Flash Point (PMC),°C	66 Deg. C	ASTM D 93 /IP 34
3	Pour Point °C	18 Deg. C Max	ASTM D 97 / IP 15
4	Ash (% by Mass.)	<0.15	ASTM D 482 / IP 4
5	Water content (% by Mass).	<1.0	ASTM D 95 / IP74
6	Sulphur, Total (% by Mass)	<2.0	ASTM D 4294
7	Gross calorific value	9800-10.100 Kcal/kg	IS 1448
8	Kinematic Viscosity @50 Deg. C	300 CSt	D:445

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MINERAL TURPENTINE OIL (MTO) PRODUCT SPECIFICATION REPORT

Sr.	Parameters	Specification	Unit
1	Visual Appearance	Clear Water White to LPY	
2	Specific Gravity at 30°C	0.772 - 0.790	Gm/ml
3	Flash Point	>35	°C
4	Initial Boiling Point	>150	°C
5	50% Recovery	To be Reported	°C
6	90% Recovery	To be Reported	°C
7	Final Boiling Point	<=230	°C
8	Aromatic content	<20	%Vol
9	Sulphur, Mercaptans	<0.0015	Wt. %
10	Cu corrosion (3 hrs @50 Deg.	<=1	

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LIGHT DIESEL OIL (GRADE 1) SPECIFICATIONS

SR.	SPECIFICATIONS	UNITS	METHOD	VALUES
1	Kinematic Viscosity	40° C, cSt	D4445	3-6 cst
2	Density	15 ° C, Kg/l	ASTM D4052	0.890 - 0.910
3	Color		ASTM D 1500	7.5
4	Carbon Residue	% wt	D4530	Below 1%
5	Gross Calorific Value,	Kcal / kg	IS 1448	11,200
6	Copper strip corrosion	Hr / ° C	ASTM D4294	1B
7	Pour Point	o C	D97	-2
8	Flash Point (COC)	o C	ASTM D93	Above 45
9	Water Content	mg/kg	ASTM D95	50 ppm
10	Total Sulphur	% wt	ASTM D4294	Below 1 %
11	Sediment	% wt	ASTM D473	-
12	Ash Content	% wt	ASTM D482	Below 1%

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FUEL OIL 10PPM

S.NO	TEST PARAMETERS	UNITS	TEST METHOD	MIN	MAX	
1	DESCRIPTION		VISUAL	COLORLESS TRANSPARENT OILY LIQUID		
2	COLOUR		HU	0		
3	FLASH POINT	C	ASTM D 92	>65		
4	POUR POINT	C	ASTM D 97	<0		
5	RELATIVE DENSITY @30* C	Gm/ml	USP	0.780	0.810	
6	HALOGENS	%	SGQC	5 MAX		
7	HYDROCARBON CONTENT	%	SGQC	95 MIN.		
8	SULFUR CONTENT	%	SGQC	0.001	0.005	
9	WATER CONTENT	%	SGQC	NIL		

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Certificate of Analysis

Commodity : RECYCLE/WASTE OIL

TEST	RESULT	METHOD	UNIT
Kinectic Vixsosity @ 40 ⁰ C	26.843	ASTMD D7042	C.St
Kinectic Vixsosity @ 100 ⁰ C	4.876	ASTMD D7042	C.St
Viscosity Index	103.5	ASTMD D2270	-
Density @ 15.6 ⁰ C	0.8695	ASTMD D4052	gr/cm
Flash Point "Cleveland open cup"	180-185	ASTMD D92	⁰ C
Pour point/low floating point "Automatic tilt Method"	0	ASTMD D5950	⁰ C
Colour	1/5	ASTMD D1500	-
Total Base No.	0.027	ASTMD D2896	mgKOH/g
Total Acid No.	0.054	ASTMD D664	mgKOH/g
High Shear High Temperature	2.1	ASTMD D4741	cp
Noack	23.8	ASTMD D5800	Wt%
Copper	1a	ASTMD	-

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MINERAL OIL LIGHT

Saybolt Colour	+30	+30	+30
Odour and taste	Odourless & tasteless	Odourless & tasteless	Odourless & tasteless
Dynamic Viscosity @ 20°C, mPa s	25 - 80	25 - 80	N.A.
Kinematic Viscosity @ 40°C	N.A.	N.A.	Not less than 33.5
Specific Gravity @ 25°C	0.820 - 0.880	0.810 - 0.875	0.818 - 0.880
Acidity / Alkalinity (Neutrality)	Compliant to standards	Compliant to standards	Compliant to standards
Solid Paraffin	Compliant to standards	Compliant to standards	Compliant to standards
Sulphur Compound	Compliant to standards	N.A.	N.A.
Readily Carbonisable Substance	Compliant to standards	Compliant to standards	Compliant to standards
Light absorption in the range 240 to 280 nm	< 0.1	N.A.	N.A.
Polynuclear Aromatics Compound	N.A.	Compliant to standards	Compliant to standards

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MINERAL OIL HEAVY

Saybolt Colour	+30	+30	+30
Odour and taste	Odourless & tasteless	Odourless & tasteless	Odourless & tasteless
Dynamic Viscosity @ 20°C, mPa s	110 - 230	110 - 230	N.A.
Kinematic Viscosity @ 40°C	N.A.	N.A.	Not less than 34.5
Specific Gravity @ 25°C	0.860 - 0.904	0.827 - 0.890	0.845 - 0.905
Acidity / Alkalinity (Neutrality)	Compliant to standards	Compliant to standards	Compliant to standards
Solid Paraffin	Compliant to standards	Compliant to standards	Compliant to standards
Sulphur Compound	Compliant to standards	N.A.	N.A.
Readily Carbonisable Substance	Compliant to standards	Compliant to standards	Compliant to standards
Light absorption in the range 240 to 280 nm	< 0.1	N.A.	N.A.
Polynuclear Aromatics Compound	N.A.	Compliant to standards	Compliant to standards

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