



**BIO-EDGE
INDUSTRIES
PRODUCT
CATALOGUE**

2023-24

BIOEDGE INDUSTRIES

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Bioedge Industries is a manufacturing & trading firm with unit located at Wada and registered office in Kandivali West.

We provide specialized petroleum products, petrochemicals & chemicals tailored to suit a wide variety of processes. Our product roster include LDO, FO, Base Oils, Reclaimed Oil, Tyre Oil, MTO substitute, Biodegradable lubricants and Normal Paraffins. These products adhere to highest quality standards and are delivered as per specifications provided. We also supply products from refineries of all the major oil companies.

Additionally, we also supply niche additives that help organizations to improve the quality of the fuel and raw material used in their manufacturing processes.

We also conduct Energy Audit of our clients manufacturing units by assessing their energy requirements and processes and helping them find superior alternatives in terms of efficiency, costing as well as environmental impact.

For enquiries related to price, sample or specifications, please contact us at:

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GST No.- 27ALTPB8575D1ZQ

NAVAJYOTI RN-70

A 190-200°C cut refinery produced product. Used in varied applications like lubricating oils, chemical process solvents, oilfield drilling fluids, liquid lamp oil & metal rolling oil.



SR.NO.	PARAMETERS	TEST METHOD	UOM	SPECIFICATION	RESULTS
1.	COLOUR	ASTMD 156	NOS	29 Min	30
2.	SPECIFIC GRAVITY @ 15.5°/15.5°C	ASTMD 4052	---	0.7400 to 0.7600	0.7496
3.	TOTAL Normal Paraffin	UOP 688	wt %	98.0 Min	99.6
4.	TNN	UOP 688	wt %	2.0 Max	0.4
5.	C9 and Lighters	UOP 688	wt %	2.0 Max	0.5
6.	C10	UOP 688	wt %	35.0 Max	19.2
7.	C11	UOP 688	wt %	To Report	30.3
8.	C12	UOP 688	wt %	To Report	26.7
9.	C13	UOP 688	wt %	To Report	16.2
10.	C10-C13 PF	UOP 688	wt %	83.0 Min	92.4
11.	C14 and Heavier	UOP 688	wt %	15.0 Max	7.1
12.	FLASH POINT			>65	>65
13.	VISCOSITY @ 15 ⁰			1.41cP	1.41cP
14.	IBP			190	190
15.	FBP			200	200

NAVAJYOTI RH-100

A 240–270°C cut refinery product. Used in industrial applications including synthetic resins, paints & varnishes, degreasing agents & printing inks.



SR.NO.	PARAMETERS	TEST METHOD	UOM	SPECIFICATION	RESULTS
1.	SAYBOLT COLOUR	ASTM D156	SAYBOLT COLOUR	29 Min	29
2.	SPECIFIC GRAVITY @ 15.56°/15.56°C	ASTM D4052	NA	0.76 to 0.78	0.7824
3.	C13 PF AND LIGHTERS	UOP 688	wt %	15.0 Max	2.8
4.	C14 PF	UOP 688	wt %	52.0 Min	82.5
5.	>C14 PF	UOP 688	wt %	32.0 Max	14.6
6.	C15 PF	UOP 688	wt %	-	12.8
7.	C16 PF	UOP 688	wt %	-	1.6
8.	C17 PF	UOP 688	wt %	-	0.2
9.	SULPHUR		Wt. ppm	-	0.3
10.	BR. INDEX	ASTM D2710	Mg Br/100gm	15.0 Max	5.9
11.	IBP	245	-	245	245
12.	FBP	270	-	270	270

Light Diesel Oil

Refinery produced & imported LDO of high quality and consistent delivery.



SR.NO	PARAMETERS	UNIT	TEST METHOD	TEST RESULT
1.	Color	-	ASTM D1500	Black
2.	Density	Kg/L	ASTM 5002	0.85
3.	Flash Point	oC	ASTM D 92	<70
4.	Kinematic Viscosity @40oC	cSt	ASTM D445	9.117
5.	Sediments	%(m/m)	ASTM D 473	0.10
6.	Water Content	% (v/v)	ASTM D 95	<1.2
7.	Acid Number	MgKOH/g	ASTM D 974	0.33
8.	Ash Content	%(m/m)	ASTM D 482	0.063
9.	Calorific Value net	KJ/Kg	ASTM D 4868	12,130
10.	Sodium	mg/kg	IP 501	12
11.	Calcium	mg/kg	IP 501	25
12.	Distillation Range IBP	oC	ASTM D 86	85
13.	Sulphur Content	%(m/m)	ASTM D 4294	1.40

Furnace Oil

Refinery produced & imported FO of high quality and consistent delivery.



SR.NO.	PARAMETERS	TEST METHOD	STANDARD SPECIFICATION	REPORTED VALUE
1.	Acidity Inorganic	P : 2	NIL	NIL
2.	Ash, % wt MAX	P : 4	0.1	0.1
3.	Gross Calorific Value Max	P : 6 & P : 7	Typical	Typical
4.	Density @ 15°C	P : 32	Typical	Typical
5.	Flash Point : PMCC, DEG C, MIN	P : 21	66	66
6.	Kinematic Viscosity @50°C (CST)	P : 25	125 min 180 max	125 min 180 max
7.	Sediment % Wt, MAX	P : 30	0.25	0.25
8.	Total Sulphur, Wt. MAX	P : 33 & P : 35	4	4
9.	Water Content % Vol, MAX	P : 40	1	1

Base Oil SN-150

Imported and refinery produced sources available for dispatch.



SR.NO.	PARAMETERS	TEST METHOD	STANDARD SPECIFICATION	REPORTED VALUE
1.	Appearance	Visual	BR. & CLEAR	BRIGHT & CLEAR
2.	Density @ 29.5 ⁰ C	D 1298	REPORT	0.87
3.	Colour	D 1500	2.0 MAX	L 1.0
4.	Flash Point;(COC) ⁰ C	D 92	200 MIN	214
5.	Pour Point ⁰ C	D 97	-9 MAX	-9
6.	K.V. @ 40 ⁰ C, cst.	D 445	29-35	32.49 cSt
7.	K.V. @ 100 ⁰ C, cst.	D 445	5.00-6.30	5.39 cSt
8	Viscosity Index	D 2270	90 MIN	104
9.	Aniline Point, ⁰ C	D 611	90 MIN	102
10.	Density @ 29.5 ⁰ C	D 1298	REPORT	0.87

Navajyoti RL-50

A 160 -180o cut refinery product. Used in manufacture of chlorinated paraffin wax, plasticizers, lamp oils, BBQ lighters, barbeque starters sealant, adhesives, alcohol derivatives, cutting oil, lubricants & metalworking products and substitute of kerosene for burning purposes.



SR.NO.	PARAMETERS	TEST METHOD	UOM	SPECIFICATION	RESULTS
1.	SAYBOLT COLOUR	LABP/QCD/2503	SAYBOLT COLOUR	29 Min	30
2.	SPECIFIC GRAVITY @ 15.56°/15.56°C	LABP/QCD/2501	NA	0.7300 to 0.7500	0.7340
3.	FLASH POINT (Abel)	LABP/QCD/2702	°C	45.0 Min	50.0
4.	<C10 PF	LABP/QCD/2525	wt %	30.0 Max	11.2
5.	C10 PF	LABP/QCD/2525	wt %	-	87.0
6.	>nC10 PF		wt %	-	1.8
7.	C11 PF	LABP/QCD/2525	wt %	-	1.60
8.	C12 PF	LABP/QCD/2525	wt %	-	0.01
9.	TOTAL NORMAL PARAFFIN	LABP/QCD/2525	wt %	95.0 Min	99.2
10.	IBP	160	-	160	160
11.	FBP	180	-	180	180

Reclaimed Base Oil

Reclaimed oil made from distillation of waste oil is extensively used as a substitute for virgin base oil by lubricant manufacturers.



SR.NO.	PARAMETERS	TEST RESULTS
1.	Appearance	Bright and Clear
2.	Color	2
3.	Density @ 29.5OC	0.860
4.	Kinematic Viscosity @40 OC	26
5.	Kinematic Viscosity @100OC	4.71
6.	Flash Point	160OC
7.	VI	97