

Synergy Petrochem

Regd. Add.: Shed 1. Gat No.423/1 At Post Village Palsai Tal, Dist. Palghar
Maharashtra -421 312 Tel No 90820 57639

CERTIFICATE OF ANALYSIS

PRODUCT NAME: - BASE OIL BS150 (GROUP I) - EXXONMOBIL REFINERY

Sr. No.	CHARACTERISTICS	Result
1	APPERANCE	BRIGHT AND CLEAR
2	ASTM COLOUR	<3.5
3	DENSITY @ 29.5°C	0.8901
4	KINEMATIC VISCOCITY @40°C	474.7
5	KINEMATIC VISCOCITY @100°C	31.66
6	VISCOSITY INDEX	98
7	FLASH POINT COC	322

Synergy Petrochem

Regd. Add.: Shed 1. Gat No.423/1 At Post Village Palsai Tal, Dist. Palghar
Maharashtra -421 312 Tel No 90820 57639

CERTIFICATE OF ANALYSIS

PRODUCT NAME: - BASE OIL N150 (GROUP II) - BPCL REFINERY

Sr. No.	CHARACTERISTICS	TEST METHOD	Result
1	APPERANCE	VISUAL	BRIGHT AND CLEAR
2	ASTM COLOUR	ASTM D 150	L 0.5
3	CRACKLE TEST	-----	NEGATIVE
4	DENSITY @ 29.5°C g/mL	ASTM D 4052	0.8361
5	DENSITY @ 15°C g/mL	ASTM D 4052	-
6	KINEMATIC VISCOCITY @40°C, cSt	ASTM D 445/7042	32.55
7	KINEMATIC VISCOCITY @100°C, cSt	ASTM D 445/7042	5.927
8	VISCOSITY INDEX	ASTM D 2270	128
9	POUR POINT, °C	ASTM D 97	-21
10	FLASH POINT °C COC	ASTM 92	230

Synergy Petrochem

Regd. Add.: Shed 1. Gat No.423/1 At Post Village Palsai Tal, Dist. Palghar
Maharashtra -421 312 Tel No 90820 57639

CERTIFICATE OF ANALYSIS

PRODUCT NAME: - BASE OIL SN150 (GROUP I) - HPCL REFINERY

Sr. No.	CHARACTERISTICS	TEST METHOD	Result
1	APPERANCE	VISUAL	CLEAR & BRIGHT
2	COLOUR ASTM	ASTM D1500	L 2.0
3	CRACKLE TEST	-----	NEGATIVE
4	DENSITY @ 29.5°C, g/mL	ASTM D 4052	0.8732
5	DENSITY @ 15 g/mL	ASTM D 4052	-
6	KINEMATIC VISCOCITY @40°C, CST	ASTM D 445/7042	28.75
7	KINEMATIC VISCOCITY @100°C, CST	ASTM D 445/7042	5.011
8	VISCOSITY INDEX	ASTMD 2270	99
9	POUR POINT, °C	ASTM D 97	-9 °C
10	FLASH POINT °C COC	ASTM D 92	226 °C

Synergy Petrochem

Regd. Add.: Shed 1. Gat No.423/1 At Post Village Palsai Tal, Dist. Palghar
Maharashtra -421 312 Tel No 90820 57639

CERTIFICATE OF ANALYSIS

PRODUCT NAME: - BASE OIL 8 CST (GROUP III) - S OIL CORPORATION (KOREA)

Sr. No.	CHARACTERISTICS	Result
1	APPERANCE	CLEAR & TRANSPARENT
2	ASTM C0LOUR	L 0.5
3	KINEMATIC VISCOSITY @ 100°C mm ² /S	7.123
4	KINEMATIC VISCOSITY @ 100°C mm ² /S	40.59
5	VISCOSITY INDEX	138
4	DENSITY @ 29.5°C g/mL	0.833
8	FLASH POINT COC °C	246
9	POUR POINT, °C	-12

Synergy Petrochem

Regd. Add.: Shed 1. Gat No.423/1 At Post Village Palsai Tal, Dist. Palghar
Maharashtra -421 312 Tel No 90820 57639

CERTIFICATE OF ANALYSIS

PRODUCT NAME: - BASE OIL N500(GROUP II) - HYUNDAI SHELL (KOREA)

Sr. No.	CHARACTERISTICS	TEST METHOD	Result
1	APPERANCE	VISUAL	CLEAR & BRIGHT
2	COLOUR ASTM	ASTM D1500	< 0.5
3	DENSITY @ 29.5°C,	ASTM D4052	0.860
4	KINEMATIC VISCOCITY @40°C,	ASTM D445	92.80-94.95
5	KINEMATIC VISCOCITY @100°C,	ASTM D445	10.85-11.03
6	VISCOSITY INDEX	ASTM D2270	101
7	FLASH POINT	ASTM D5950	264-276
8	POUR POINT, °C	ASTM D 97	(-) 18
9	SULPHUR	ASTM D5453	0.00036-0.00038
10	SATURATES	ASTM D7419	99.6
11	AROMATICS	ASTM D7419	0.4

Synergy Petrochem

Regd. Add.: Shed 1. Gat No.423/1 At Post Village Palsai Tal, Dist. Palghar
Maharashtra -421 312 Tel No 90820 57639

CERTIFICATE OF ANALYSIS

PRODUCT NAME: - BASE OIL 4CST (GROUP III)- S OIL CORPORATION

Sr. No.	CHARACTERISTICS	Result
1	APPERANCE	CLEAR & TRANSPARENT
2	COLOUR, ASTM	L.05
3	KINEMATIC VISCOCITY @100°C mm ² /s	4.311
4	KINEMATIC VISCOCITY @40°C mm ² /s	19.77
5	VISCOSITY INDEX	127
6	FLASH POINT COC °C	222
7	POUR POINT, °C	-21
8	DENSITY @ 29.5°C	0.825
9	NOACK VOLATILITY, wt% (D5800(B))	14.7

Synergy Petrochem

Regd. Add.: Shed 1. Gat No.423/1 At Post Village Palsai Tal, Dist. Palghar
Maharashtra -421 312 Tel No 90820 57639

CERTIFICATE OF ANALYSIS

PRODUCT NAME: - RUBBER PROCESSING OIL (IMPOERTED)

Sr. No.	METHOD	UNIT	UNIT	Result
1	DENSITY@15 °C (vac)	ASTM D-1298	K.gm	1015.9
2	Kinematic Viscosity @ 50°C	ASTM D-445	cst	525.7
3	KINEMATIC VISCOCITY @100°C	ASTM D-445	cst	25.9
4	FLASH POINT	ASTM D-92	°C	250
5	POUR POINT	ASTM D-97	°C	27
6	ANILINE POINT	ASTM D611	°C	38.0

Synergy Petrochem

Regd. Add.: Shed 1. Gat No.423/1 At Post Village Palsai Tal, Dist. Palghar
Maharashtra -421 312 Tel No 90820 57639

CERTIFICATE OF ANALYSIS

PRODUCT NAME: - SHELL RISELLA x 420

Shell refinery

Sr. No.	Properties	Method	Result
1	Colour (Saybolt)	ASTM D156	30
2	Density@ 15°C	ISO 12185	816
3	Refractive Index@ 20°C	ASTM D1218	1.454
4	Viscosity Index	ISO 2909	130
5	Flashpoint COC	ISO 2592	230
6	Pour Point	ISO 3016	-36
7	Kinematic Viscosity@ 20°C	ISO 3104	40
8	Kinematic Viscosity@ 40°C	ISO 3104	18.0
9	Kinematic Viscosity@ 100°C	ISO 3104	4.1
10	Aniline Point	ISO 2977	120
11	Sulphur	ISO 14596	<5
12	Evaporation Loss22h/107°C	ASTM D972	0.12
13	Noack Volatility1h/250°C	ASTM D5800	12
14	Purity Requirements for Technical White Oil	FDA 178.3620 (b)	Pass

Synergy Petrochem

Regd. Add.: Shed 1. Gat No.423/1 At Post Village Palsai Tal, Dist. Palghar
Maharashtra -421 312 Tel No 90820 57639

CERTIFICATE OF ANALYSIS

**PRODUCT NAME: - Base oil RUBBER PROCESS OIL [RPO-710]
(Refinery HPCL)**

Sr. No.	Test	U.m.o.	Test Method	Result
1	Appearance	-	Visual	CLEAR VISCOUS LIQUID
2	Colour		ASTM D 1500	DARK GREEN
3	Sp.gr@ 29.5°Cg/cc	g/cc	ASTM D 1298	1.00
4	Kinematic Viscosity @ 40°Ccst	cst	ASTM D 445	648.88
5	Kinematic Viscosity @ 100°Ccst	cst	ASTM D 445	20.87
6	Viscosity Index	-	ASTMD2270	-42
7	Flash Point °c°C	°C	ASTM D92	246
8	Neaut. No. mg KOH/gm,	mgKOH /gm	ASTM D 974	0.0031
9	Aniline Point °c °c	°c	ASTM D 611	50
10	Pour Point °c °c	°c	ASTM D97	+22

Synergy Petrochem

Regd. Add.: Shed 1. Gat No.423/1 At Post Village Palsai Tal, Dist. Palghar
Maharashtra -421 312 Tel No 90820 57639

CERTIFICATE OF ANALYSIS

PRODUCT NAME: - SP20N

Sr. No.	Test	Result
1	Kinematic Viscosity @ 40 °C, Cst	18-23
2	Aniline Point, °C Min	78-88
3	Flash Point, °C, Coc, Min	160
4	Copper Corrosion @ 100°C, 3Hrs, Max	1
5	Clay Gelanalysis	-
6	Asphaltenes, % Wt	NIL
7	Polar Compounds, % Wt	2.3
8	Aromatics, % Wt	46.7
9	Saturates, % Wt	51

Synergy Petrochem

Regd. Add.: Shed 1. Gat No.423/1 At Post Village Palsai Tal, Dist. Palghar
Maharashtra -421 312 Tel No 90820 57639

CERTIFICATE OF ANALYSIS

PRODUCT NAME: - RC SN 400

SN No	Test	Test Method	Unit	Result
1	Appearance @ 30 C	Visual		Clear and Bright
2	Colour	ASTM D-1500	-	L2.5
3	Density @ 29.5 c	ASTM D-1298	gm/cc	0.862
4	Kinematic Viscosity @ 40 C	ASTM D-445	cSt	64.42
5	Kinematic Viscosity @ 100 C	ASTM D-445	cSt	8.96
6	Viscosity Index	ASTM D-2270	-	114
7	Flash Point	ASTM D-92	°Cg	208

Synergy Petrochem

Regd. Add.: Shed 1. Gat No.423/1 At Post Village Palsai Tal, Dist. Palghar
Maharashtra -421 312 Tel No 90820 57639

CERTIFICATE OF ANALYSIS

**PRODUCT NAME: - HEAVY ALKALITE BENZINE
REFINERY-INDIAN OIL**

SN No	Test	Method	Limits	Result
1	Colour	D1500	2.5 Max	<1.0
2	Appearance @ 30 C	Visual	Clear	B&C
3	Density @ 15 c, gm/cc	D1298	Report	0.8649
4	Flash Point C	D 92	180 Min	192
5	Pour Point C	D 97	-45 Max	-48
6	Visc @40 c, Cst	D 445	16-24	19.35
7	TAN, mg KOH/g	D 974	0.05 MAX	0.028

Synergy Petrochem

Regd. Add.: Shed 1. Gat No.423/1 At Post Village Palsai Tal, Dist. Palghar
Maharashtra -421 312 Tel No 90820 57639

CERTIFICATE OF ANALYSIS

PRODUCT NAME: - BASE OIL N70 (GROUP II) - BPCL REFINERY

Sr. No.	CHARACTERISTICS	TEST METHOD	Result
1	APPERANCE	VISUAL	BRIGHT AND CLEAR
2	ASTM COLOUR	ASTM D 1500	L 0.5
3	CRACKLE TEST	-----	NEGATIVE
4	DENSITY @ 29.5°C g/mL	ASTM D 4052	0.8293
5	DENSITY @ 15°C g/mL	ASTM D 4052	-
6	KINEMATIC VISCOCITY @40°C, cSt	ASTM D 445/7042	11.86
7	KINEMATIC VISCOCITY @100°C, cSt	ASTM D 445/7042	3.022
8	VISCOSITY INDEX	ASTM D 2270	111
9	POUR POINT, °C	ASTM D 97	-30
10	FLASH POINT °C COC	ASTM 92	195

Synergy Petrochem

Regd. Add.: Shed 1. Gat No.423/1 At Post Village Palsai Tal, Dist. Palghar
Maharashtra -421 312 Tel No 90820 57639

CERTIFICATE OF ANALYSIS

PRODUCT NAME: - BASE OIL SN500 (GROUP 1) - HPCL REFINERY

Sr. No.	CHARACTERISTICS	TEST METHOD	Result
1	APPERANCE	VISUAL	Clear & Bright
2	COLOUR	ASTM D 1500	L 2.5
3	CRACKLE TEST	-----	NEGATIVE
4	DENSITY @ 29.5°C g/mL	ASTM D 4052	0.8781
5	DENSITY @ 15°C g/mL	ASTM D 4052	-
6	KINEMATIC VISCOCITY @40°C, cSt	ASTM D 445/7042	86.74
7	KINEMATIC VISCOCITY @100°C, cSt	ASTM D 445/7042	10.22
8	VISCOSITY INDEX	ASTM D 2270	98
9	POUR POINT, °C	ASTM D 97	-9
10	FLASH POINT °C COC	ASTM 92	256