

**SANYANG PETROLEUM**

55 Jalan SS25/32, Taman Mayang
47301 Petaling Jaya, Selangor, Malaysia
Tel: +603-78031184 | Fax: +603-78031208
info@sanyangpetroleum.com
www.sanyangpetroleum.com

CERTIFICATE OF ANALYSIS

Commodity Name:	RUBBER PLASTICIZER MINERAL OIL V1000
Date of Production:	2025/06/13

Test Item	Unit	Specification	Test Result	Test Method
Density @20°C	Kg/m3	Report	930.1	ISO 3675-1998
Viscosity @ 40°C	mm²/s	Report	898.8	ASTM D445
Viscosity @ 100°C	mm²/s	16-26	21.91	ASTM D445
Aniline point	°C	≤99	94.0	ASTM D611
Flash point (open cup)	°C	≥210	230	ASTM D92
Pour point	°C	≤15	-4	ASTM D97
Refractive index @20°C	%	Report	1.5083	ASTM D1213-99
Viscosity gravity constant(VGC)	/	Report	0.851	ASTM D2501-24
Acid value (KOH)	(mg/g)	Report	0.0106	ASTM D974
Mechanical impurities	%(m/m)	Nil	Nil	ASTM D4052
Water	%	Trail	Trail	ASTM D95
Sulfur content	mg/kg	Report	322.8	ASTM D5453
Polycyclic aromatic hydrocarbon(PCA)	%	<3.0	2.6	IP 346
CA	%(m/m)	≥10	10.9	ASTM D3238
CN	%(m/m)	Report	48.7	ASTM D3238
CP	%(m/m)	Report	40.4	ASTM D3238
Sum of polycyclic aromatic hydrocarbon(PAHs), include:	mg/kg	≤10	2.61	SN/T 1877.3
1) Benzo(a)pyrene (bap)	mg/kg	≤1	0.34	SN/T 1877.3
2) Benzo(e)pyrene (bap)	mg/kg	report	0.62	
3) Benz(a)anthracene (baa)	mg/kg	report	0.28	
4) Chrysene (CHR)	mg/kg	report	0.18	
5) Benzo(b)fluoranthene (bbf)	mg/kg	report	0.68	
6) Benzo(j)fluoranthene (bjf)	mg/kg	report	0.00	
7) Benzo(k)fluoranthene (bkf)	mg/kg	report	0.32	
8) Dibenzo(a,h)anthracene (DBA)	mg/kg	report	0.19	

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