



"Scan to Authenticate"

International
Independent Inspection
&
Testing CompanyGDM-CRT-23-24-11862
JOB REF NO: GDM-JB2324-007643

DATE: 22ND DECEMBER 2023

Sr. No.	Test Parameter	Specification	Test method	Units	B/NO.SK23819 QTY: 14.000MT Lab No.09630 SH/23/12/03583 2312K36290
1	Appearance	Flakes	SOP/GCGDM/OIL/001	-	Off white powder
2	Acid value	175 - 185	AOCS Cd 3d -63 (RA-2017)	mgKOH/gm	175.56
3	Iodine value	< 3	AOCS Ty 1a - 64 (RA-2017)	gmI ₂ /100gm	2.03
4	Colour Lovibond 1 inch	< 2.0 RED < 10.0YELLOW	AOCS Cc 13e - 92 (RA-2017)	Red Yellow	1.5R 5.0Y
5	Colour Gardner	< 5	AOCS Td 1a - 64 (RA-2017)	--	3+G
6	Colour heat stability	7 max	AOCS Td 3a - 64 (RA-2017)	-	6G
7	Melting point	74 -79	AOCS Cc 1 - 25 (RA-2017)	Deg C	76.8
8	Hydroxyl value	155 - 165	BY GC	mgKOH/gm	158.83
9	Saponification value	182 - 192	AOCS Cd 3 - 25 (RA-2017)	mgKOH/gm	184.84
10	Unsaponifiable matter	< 1 %	AOCS Ca 6a-40 (RA-2017)	%	0.48
11	Moisture and volatile matter	< 1 %	AOCS Ca 2c- 25 (RA-2017)	%	0.94
12	Drop point	71 - 80 °C	ASTM D 127-19	°C	79
13	Sieve residue 1000µ (1mm)	<1.0%	--	%	0.58
14	Nickel	1 ppm max	GCLPL/QS/CRA/5.4/100 (ICP-MS)	Mg/kg	BLQ
14	Fatty acid composition by GC				

ISSUED WITHOUT PREJUDICE

FOR GEO-CHEM LABORATORIES PRIVATE LIMITED



(AUTHORISED SIGNATORY)

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C12 - C14	0.50% max	ISO 12966-4/12966-2	% BY AREA	N.D
Palmitic	1.50% max			1.13
C 18:0 +C18:1	12.0 % max			10.27
12- Hydroxystearic acid	85% min			86.67
12-Ketostearic acid	2.0%max			0.80
Arachidic C 20	1.00% max			0.10
C 22 Behenic	0.50% max			0.11
Others	1.50% max			0.92
Recovery	90% Min			99.08

Moisture & Volatile matter reading is based on the shipper's laboratory for B/no.SK23819.

Note: ND= Not Detected , Detection Limit 0.05% by area

BLQ =Below limit of Quantification, Limit of Quantification 0.02mg/kg

Sr. No.	Test Parameter	Specification	Test method	Units	B/NO.SK23820 QTY:12.000MT Lab No.09700 SH/23/12/03602 22312K36579
1	Appearance	Flakes	SOP/GCGDM/OIL/001	-	Off white powder
2	Acid value	175 - 185	AOCS Cd 3d -63 (RA-2017)	mgKOH/gm	175.78
3	Iodine value	< 3	AOCS Tg 1a - 64 (RA-2017)	gml ₂ /100gm	1.96
4	Colour Lovibond 1 inch	< 2.0 RED < 10.0YELLOW	AOCS Cc 13e - 92 (RA-2017)	Red Yellow	1.5R 4.0Y
5	Colour Gardner	< 5	AOCS Td 1a - 64 (RA-2017)	-	3+G
6	Colour heat stability	7 max	AOCS Td 3a - 64 (RA-2017)	-	5+G
7	Melting point	74 -79	AOCS Cc 1 - 25 (RA-2017)	Deg C	76.8
8	Hydroxyl value	155 - 165	BY GC	mgKOH/gm	158.48
9	Saponification value	182 - 192	AOCS Cd 3 - 25 (RA-2017)	mgKOH/gm	184.86
10	Unsaponifiable matter	< 1 %	AOCS Ca 6a-40 (RA-2017)	%	0.48

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