COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

CIN: U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website:www.scimplify.com

CERTIFICATE OF ANALYSIS

Material/Product Name	Polysorbate 80		
Batch Number	SCPSB25001	Quantity	17.6 MT
Mfg. Date	Jan-2025	Expiry Date	Dec-2026

Sl .No.	Test	Specification	Result
1	Appearance	Yellow to Amber Oily Liquid	Meets
2	Identification - (sample solution w/NaOH)	Solution is strongly opalescent	Complies
3	Identification - (sample solution w/Bromine TS)	Bromine is decolorized	Complies
4	Identification - (sample solution in 25 or cooler)	A gelatinous mass is produced	Complies
5	Identification - IR		Complies
6	Colour in Gardner	6 G Max	3.7
7	Acid Value	2 Max	0.83
8	Saponification Value	45-55	47
9	Hydroxyl Value	65-80	75
10	pH 5% Soln.	6.0-8.0	6.58
11	Moisture Content, (%)	3 Max	1.86
12	Solubility	Miscible in water, ethanol	Complies
13	Peroxide Value, ppm	10 Max	1.18
14	1,4 Dioxane, ppm	10 Max	< 1
15	Ethylene Oxide, ppm	1 Max	0.82
16	Specific Gravity	1.06-1.09	1.08
17	Viscosity @ 25°C, cst	300-500	380
18	Heavy Metals, ppm	10 Max	< 10
19	Lead, mg/Kg (FCC)	2 mg/Kg Max	< 1
20	Oleic Acid Recovered, g/100 gm of sample	22-24	22.3
21	Acid Value OF recovered Oleic Acid	193-206	193.7
22	Iodine Value OF recovered Oleic Acid	80-92	89.86
23	Residual Solvents (NF)	To Meet Requirements	Complies
24	Residue on ignition	0.25 Max	0.095

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25	Myristic	5% Max	Nil
26	Palmitic	16% Max	3.198
27	Palmitoleic	8% Max	Nil
28	Stearic	6% Max	4.164
29	Oleic	58% Min	86.238
30	Linoleic	18% Max	Nil
31	Linolenic	4% Max	Nil
32	Assay	Not less than 65.0 and not more than 69.5% of oxyethylene groups	67.8
		equivalent to not less than 96.5 and not more than 103.5% of polyoxyethylene (20) Sorbitan mono-oleate, calculated on the anhydrous basis	101.2

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Name	Karthik V Suvarna	Ganesh Pawar	J. Bhargava Chowdary
Date	31/01/2025	31/01/2025	31/01/2025
Sign			