

CERTIFICATE OF ANALYSIS

Product Name	PEG-40 Hydrogenated Castor Oil
INCI Name	PEG-40 Hydrogenated Castor Oil
CAS#	61788-85-0
Lot Number	ETH - 0029
Manufacture Date	11/2025
Re-test Date	11/2027

Characteristic	Specification	Result
Appearance at 25°C	Off-white to yellow slight hazy viscous liquid	CONFORMS
pH Value 5% aqueous	6 - 8 %	6.80
Acid Value	2.00 max. (mg KC	1.09
Melting Point	<5 (°C)	<5
Moisture Content (K.F.)	2.00 max. (%)	1.60
Saponification Value	45 - 55 (mg/g KOH)	47.60
Hydroxyl Value	54 - 68 (mg KOH/gm)	62.10
Density at 23°C	Approx. 1.07 (g/cm ³)	1.06
Solubility	Soluble in Water, Ethanol, Isopropanol & other hydrophobic compounds	CONFORMS
Iodine Value	<1 (gl ₂ /100gm)	0.75
Heavy Metals	10 max. (ppm)	<10
Total Ash	0.30 max. (%)	0.13
Residual Ethylene Oxide	1.00 max. (ppm)	0.04
Residual Dioxane	10.00 max. (ppm)	8.10

Remarks: Product has been tested according to ASPL/FP/SPEC/38-A-3-12 and complies

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight.
When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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