



SWADESH(INDIA) CHEMICAL PVT.LTD.

CERTIFICATE OF ANALYSIS

NAME OF PRODUCT	CASTOR OIL EP GRADE	
BATCH QTY	20000 KGS	
BATCH NO: 20/05/01	MFG MONTH: MAY 2025	EXP MONTH: APRIL 2027
TEST	SPECIFICATION	RESULT
1. APPEARANCE AT 20°C	CLEAR, SLIGHTLY YELLOW, VISCOUS, HYGROSCOPIC LIQUID	Complies
2. SOLUBILITY	SLIGHTLY SOLUBLE IN LIGHT PETROL. MISCIBLE WITH ETHANOL (96%). AND GLACIAL ACETIC ACID	Complies
3. ODOR	VERY SLIGHT, CHARACTERISTIC	Complies
4. REFRACTIVE INDEX	ABOUT 1.479	1.479
5. RELATIVE DENSITY (20°C)	ABOUT 0.958	0.957
6. VISCOCITY	ABOUT 1000 mPa.s	990
7. UNSAPONIFIABLE MATTER	MAX. 0.8	0.35
8. WATER / MOISTURE	MAX. 0.3	0.11
9. ACID VALUE	MAX. 1.5	0.95
10. PEROXIDE VALUE	MAX. 10.0	2.6
11. HYDROXYL VALUE	MIN 160.0	163.05
12. IODINE VALUE	82-88	84.6
13. OPTICAL ROTATION	+ 3.5° TO + 6.0°	3.9
14. SAPONIFICATION VALUE	176 - 186	181.5
15. COLOR	Y : 15.0 R : 1.5	Y : 9.0 R : 0.9

SWADESH(INDIA) CHEMICAL PVT.LTD.

Survey No: 512, Plot No. 7,
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