

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

1. Name of the Product	Polysorbate 20
2. INCI Name	Polysorbate-20
3. CAS Number	9005-64-5
4. Batch No & Mfg. Date	As mentioned on Label
5. Date Of Exp	3 Years From MFG Date
6. Date of Analysis	May-2024

Sr	Parameters	Specification	Results
1	Description	A clear or slightly opalescent, oily yellowish or brownish yellow liquid with faint and characteristic odor	Clear yellowish liquid with faint and characteristic odor
2	Identification		
A	By IR spectrophotometry	IR absorption spectrum of test sample is concordant with IR spectrum obtained from reference spectrum	Complies
B	By Chemical test	Blue color is produced	Complies
3	pH	5.0-7.0	6.37
4	Acid Value	NMT 2.0	0.56
5	Hydroxyl value	96 to 108	104.21
6	Saponification value	40 to 50	44.79
7	Iodine value	NMT 5.0	0.71
8	Heavy Metals	NMT 10 ppm	Complies
9	Reducing Impurities	NMT 5.0ml of 0.01M ceric ammonium sulphate is required	Complies
10	Sulphated ash	NMT 0.2%	0.16%
11	Moisture	NMT 3.0 %	1.95%