

CERTIFICATE OF ANALYSIS

Product Name	Polysorbate -20		
CAS No	9005-67-8		
Batch Number	20221021	Manufacture Date	20221021
Report Date	20221021	Expiry Date	20241020

Item of Analysis	Specification	Results
Appearance	Oily Yellow to Amber Viscous Clear Liquid	Conforms
Color	Amber	Conforms
Acid Value, mgKOH/gm	2.0 max.	0.85%
Saponification Value, mgKOH/gm	40 – 50	48
Hydroxyl Value, mgKOH/gm	96 – 108	99
Moisture, by KFR, %	3.0 max	1%
Iodine Value, cc/gm	5.0 max	2%
pH of 5% soln	5 - 7	6
Solubility	Soluble in Water & Alcohol	Conforms
Heavy Metals, ppm	10 max	Conforms

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

