

Certificate of Analysis

NPE10

Chemical Name: NONYL PHENOL ETHOXYLATE 10

Grade: Chemical

Batch No.: ۱۱۳۹۲

NO.	TEST	STANDARD TEST METHOD	STANDARD	RESULTS
1	Appearance at 20°C	—	Clear viscous liquid	Clear viscous liquid
2	Color at 50°C, APHA	ASTM D-1209	Max.25	5
3	Average molecular weight, g/mol	Calculated	630-660	Confirm
4	pH (5% in water)	ASTM D-1172	5-7	Confirm
5	Cloud point, °C(1%in Water)	ASTM D-2024	59-64	63
6	Density at 25°C, g/ml	ASTM D-1298	1.06±0.02	1.06
7	Hydroxyl value, mg KOH/g	ASTM D-4252	81-91	83
8	HLB, calculated	Calculated	13.2-14.0	Confirm
9	Water, percent	ASTM E-203	Max.0.5	0.02
10	Polyethylene glycol, percent	ASTM D-4252	Max.2.0	Confirm
11	Viscosity at 25°C, cP	ASTM D-445	278±10	268

Tested by:

کجاری

Q.C. Manager:



Kaj Building., Tohid Central st., Isfahan/ IRAN

Tel Fax: 0098 313625 8712, 14

P.O Box: 81655-486

info@isfahancopolymer.com www.isfahancopolymer.com