

**CERTIFICATE OF ANALYSIS EG312**



PolymerExpert

**RF-PRO18015-E**

Cf. PR-PRO17001

Trade Name  ExpertGel EG312  
 Assigned INCI Name  Poloxamer 338 (and) PPG-51/SMDI Copolymer  
 Batch Number  **B198-ALA21014**  
 Mfg Date  05/2021  
 Shelf Life PolymerExpert endorse the results on the certificate of analysis for a period of 3 years from the date of manufacturing for material in original, unopened, properly stored containers. Beyond 3 years, we recommend the quality of the material be confirmed prior to use, by retesting the certificate analysis parameters.  
 Retest Date  05/2024

Characteristic	Result	Specification	Method
Appearance/color solid	Conform	Transparent to opaque/colorless (white) granular powder	Visual inspection IT-ANA17001
Appearance/color 2.5% aq. soln	Conform	Transparent and colorless	Visual inspection IT-ANA17001
pH 2.5% aq. soln	7.2	6.0 to 7.5	pH-meter IT-ANA17001
Viscosity at 25°C (mPa.s)	24	10 to 60	Rheometer IT-ANA17001
Viscosity at 45°C (Pa.s)	50	30 to 70	
NCO content (mEq/kg)	≤0.4	Less, equal to 0.4 mEq/kg	HPLC IT-ANA17001
Bismuth content (ppm)	32	Less, equal to 250	Calcul IT-ANA17001
Water content (wt%)	0.4	Less, equal to 1	Karl Fischer IT-ANA17001
Ethanol content (ppm)	78	Less, equal to 200	Gas Chromatography IT-ANA17001

CONFORM  NOT CONFORM  
 To specification SPEC2013 EG312 – Revision I

	QC	QA
Name	Marie RAIMBAULT Responsable Analyses & Contrôle Qualité PolymerExpert	Nicolas Mouyen Operational Quality Manager
Function		
Sign and Date	 2021-06-22	 2021 06 14