

CARBOPOL® 71G POLYMER

Carbopol® 971G polymer meets the requirements for EU food additive E 1210 Carbomer

Applicable synonyms for Carbopol® 971G polymer are carboxypolymethylene and carbomers.

General Product Characteristics

Appearance: White, granules

Odor: Slightly acetic

Test	Specification	Lot Test Frequency ¹	Test Procedure
Identification Infrared spectrum	Pass	--- ²	Lubrizol SA-102
Particle Size Pass through 40 mesh, % (425 µm) Pass through 100 mesh, % (150 µm)	95 min 10 max	1:1 1:1	ASTM D1921 ASTM D1921
Viscosity, cP, 25°C Brookfield RVT, 20 rpm, neutralized to pH 7.3 - 7.8 0.5 wt% mucilage, spindle #5	4,000 - 11,000	1:1	Lubrizol 430-I
Loss on Drying, %	2.0 max	1:1	Lubrizol SA-004
Residual Solvent⁵ Ethyl acetate, %	0.50 max	1:1	Lubrizol SA-009
Residual Monomer, ppm Free acrylic acid	100 max	1:1	Lubrizol SA-005
Sulphated Ash, % (Residue on Ignition)	2.5 max	1:200	Lubrizol SA-014

¹ Where lot test frequency is less than 1:1, Lubrizol Advanced Materials, Inc. certifies that each batch/lot meets requirements for the characteristics based on historical process and product data. Because these characteristics are tested on a skip-lot test frequency, results are not reported on the Certificate of Analysis.

² Infrared reference spectra available upon request.

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