## **CARBOPOL® 956 POLYMER**

## **General Product Characteristics**

Appearance: White, fluffy powder Odor: Slightly acetic

Test	Specification	Lot Test Frequency <sup>1</sup>	Test Procedure
Identification Infrared spectrum	Pass	2	Lubrizol SA-102
Viscosity, cP, 25°C Brookfield RVT, 20 rpm, neutralized to pH 7.3 - 7.8 0.5 wt% mucilage, spindle #6	20,700 – 41,300	1:1	Lubrizol 430-I
Loss on Drying, %	2.0 max	1:10	Lubrizol SA-004
Specific Metals, ppm Iron Arsenic Chromium, Cadmium, Mercury	15 max 1 max 5 max total	1:6 months	Lubrizol SA-012
Residual Solvent⁵ Ethyl acetate, % Benzene, ppm⁴	1.0 max <ql⁴< td=""><td>1:1 1:20</td><td>Lubrizol SA-009 Lubrizol SA-064</td></ql⁴<>	1:1 1:20	Lubrizol SA-009 Lubrizol SA-064
Residual Monomer Free acrylic acid, ppm	1,000 max	1:1	Lubrizol SA-005

<sup>1</sup> Where lot test frequency is less than 1:1, statistical quality control determines the parameter to be within specification limits. Actual values are not reported on the COA, but compliance within established limits is assured.

<sup>2</sup> Infrared reference spectra available upon request.

<sup>3</sup> No other residual solvents as listed in the ICH Q3C Guideline on Residual Solvents are used or are an expected by-product in the manufacturing process of this product. Benzene is tested due to it being a potential impurity.

<sup>4</sup> A result of "<QL" for benzene indicates that the batch was assayed or certified to yield an analysis below the 0.250 ppm quantitation limit (QL) of the Lubrizol test method for this substance.

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