



The Leela Corporation

ISO 9001 : 2015 (QMS)  
Certified Company



ISO 14001 : 2015 (EMS)  
Certified Company

**Leepol™ Carbomers | Leepol™ Coats | Leepol™ HCO**  
Acids | Chemicals | Solvents | Dyes | Pigments | APIs  
Hazardous Waste Management



## CERTIFICATE OF ANALYSIS

|                        |                    |                     |                            |
|------------------------|--------------------|---------------------|----------------------------|
| <b>NAME OF PRODUCT</b> | <b>LEEPOL™ 974</b> | <b>GENERIC NAME</b> | <b>ACRYLATE CO POLYMER</b> |
| BATCH NO               | 80020003           |                     |                            |
| MFG. MONTH             | MAR – 2021         | DATE                | 06/02/2021                 |
| EXP. MONTH             | FEB – 2026         | REF NO.             | TLC/974                    |

| TEST   | SPECIFICATION  | RESULTS  |
|--|--|--|
| Description  | White fluffy, hygroscopic powder having a slight, characteristic odor.           | White fluffy, hygroscopic powder having a slight, characteristic odor. |
| Identification   | Colorimetric test<br>Gel formation test<br>Infrared spectrum<br>Precipitate test | Complies   |
| Viscosity, cP, 25°C 0.5 wt% mucilage, Spindle #6                             | 29,000 to 39,000 mPas 25°C 0.5 wt% mucilage, spindle #6                          | 36,000 mPas  |
| Loss on Drying   | NMT 2.0 %  | 0.86 %   |
| pH   | 1.0% Solution Limit 2.5 to 3.0   | 2.86   |
| Total Heavy Metals, ppm<br>Total Heavy Metals, as Pb                         | NMT 20   | 15   |
| Limit of Benzene   | NMT 0.5 %  | Not Detected   |
| Residual Monomer<br>Free Acrylic acid, ppm                                   | NMT 1000   | 772  |
| Residual Solvent, %<br>(Ethyl Acetate)<br>(Cyclo Hexane)                     | NMT 0.3%<br>NMT 0.3%   | 0.20%<br>0.23%   |
| Assay for carboxylic acid content  | Between 56.0 % to 68.0 %   | 61.22 %  |
| Clarity Of 0.5% Solution In Reference With Water at 420 nm Spectrophotometer | Not Less Than 85 %   | 95 %   |

\* Specification as per finished product specification. Meeting requirement of USP/NF.

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