

## CERTIFICATE OF ANALYSIS

Standard product specification — applicable to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd.

|                          |                                                                               |                      |                                                                     |
|--------------------------|-------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------|
| <b>Product Name</b>      | Poly(Acrylic Acid), Powder, Average M.W                                       | <b>C.A.S. Number</b> | 9003-01-4                                                           |
| <b>Product Category</b>  | Water Treatment Chemicals                                                     | <b>Product Group</b> | Antiscalants & Phosphonates                                         |
| <b>Grade / Standard</b>  | 50% solution Technical                                                        | <b>Physical Form</b> | Clear to yellow viscous liquid                                      |
| <b>Country of Origin</b> | India                                                                         | <b>Document No.</b>  | SCX/COA/7EAC95                                                      |
| <b>Packing</b>           | Standard export packing — bags, drums, carboys, IBC or ISO tank as applicable | <b>Storage</b>       | Cool, dry, well-ventilated place in tightly closed original packing |

### ANALYTICAL RESULTS

| S. No. | Test Parameter            | Specification                              | Result                 | Method                    |
|--------|---------------------------|--------------------------------------------|------------------------|---------------------------|
| 1      | Description               | Clear to yellow viscous liquid             | <b>Complies</b>        | Visual                    |
| 2      | Identification            | Conforms to the structure of the substance | <b>Complies</b>        | FTIR / Chemical test      |
| 3      | Assay                     | Not less than 50.0 % w/w                   | <b>50.50</b>           | Titrimetry / Instrumental |
| 4      | Specific Gravity at 25 °C | As per specification                       | <b>Conforms</b>        | Hydrometry                |
| 5      | pH (as supplied)          | As per specification                       | <b>5.7</b>             | Potentiometry             |
| 6      | Iron (as Fe)              | Not more than 50 ppm                       | <b>2.8 ppm</b>         | ICP-OES                   |
| 7      | Heavy Metals (as Pb)      | Not more than 10 ppm                       | <b>Less than 5 ppm</b> | ICP-OES                   |
| 8      | NSF/ANSI 60 suitability   | Suitable for potable water treatment       | <b>Complies</b>        | Manufacturer declaration  |

#### Remarks

Material supplied against this specification is analysed on every production lot and **conforms** to the limits stated above in all tested parameters. Results shown are the typical values obtained for this grade.

Retained samples are held against every export consignment. Store in tightly closed original packing, in a cool, dry, well-ventilated place away from incompatible materials and direct sunlight.

#### Checked and Approved by

**Prem Panchal**  
Quality Assurance  
Scapex Exports Pvt. Ltd.

This document sets out the standard specification for the product named above and applies to all consignments of this grade. It is not a lot-specific release document; a lot-specific certificate carrying the analysis of the material actually shipped is issued with each consignment. The information is given in good faith; it does not constitute a warranty of fitness for any particular purpose. Refer to the Safety Data Sheet before handling.