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# Certificate of Analysis

**Product** **55353 - Potassium Dichromate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.9% - [7778-50-9]**

**Batch No** **8224602**

**Analysis Date** 04-May-2024

**Date of Manufacture** May 2024

**Expiry Date/Re-Test Date** May 2029

**Molecular Formula** K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>

**Molecular Weight** 294.18

| Test Parameters                         | Standards                                 | Actual Results     |
|---|---|--------------------|
| ExiPlus                                 | meets compendial specs of USP, BP, Ph.Eur | Passes             |
| Appearance (Colour)                     | Orange                                    | Orange             |
| Appearance (Form)                       | Crystalline powder                        | Crystalline powder |
| Solubility (Turbidity) 10% aq. solution | Clear                                     | Clear              |
| Solubility (Colour) 10% aq. solution    | Orange                                    | Orange             |
| Assay (Iodometric)                      | min. 99.9%                                | 99.9%              |
| Insoluble matter                        | max. 0.003%                               | 0.001%             |
| Loss on drying                          | max. 0.05%                                | 0.04%              |
| Chloride (Cl)                           | max. 0.001%                               | Passes             |
| Sulphate (SO <sub>4</sub> )             | max. 0.005%                               | Passes             |
| Iron (Fe)                               | max. 0.001%                               | Passes             |
| Heavy Metals (Pb)                       | max. 0.005%                               | Passes             |
| Copper (Cu)                             | max. 0.001%                               | Passes             |
| Sodium (Na)                             | max. 0.02%                                | Passes             |
| Calcium (Ca)                            | max. 0.002%                               | Passes             |

FRM/82/11/4/55353 Rev No. 2 Date 03/07/2022

Prepared by Prasad

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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