

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-06 09:31:51

Date of Next Testing: 2028-03-05 09:31:51

Product Name: **Potassium sorbate**

CAS Number: 24634-61-5

Specifications &amp; Purity: &gt;99.0%(T)

Lot #: C2404370

SKU #: **P103845****Analysis:** **326917**

Storage Temperature: Desiccated

| Parameter                               | Limit Values                                  | Result  |
|---|---|---|
| Heavy metal (as Pb)                     | 0-10 (ppm)                                    | 0.00 ppm                                      |
| Nickel(Ni)                              | 0-10 (ppm)                                    | 0.00 ppm                                      |
| (As)Arsenic                             | 0-2 (ppm)                                     | 0.00 ppm                                      |
| Purity(Titration by HClO <sub>4</sub> ) | 98.5-101.5 (%)                                | 99.03 %                                       |
| loss on drying(105°C,3 h)               | 0-1 (%)                                       | 0.05 %  |
| Copper(Cu)                              | 0-10 (ppm)                                    | 0.00 ppm                                      |
| Appearance (P103845)                    | White to cream powder,crystal,Particles stick | White to cream powder,crystal,Particles stick |
| Acidity and alkalinity test             | pass  | Pass  |
| Infrared spectrum                       | Conforms to Structure                         | Conforms to Structure                         |
| Proton NMR spectrum                     | Conforms to Structure                         | Conforms to Structure                         |
| Solubility in H <sub>2</sub> O          | Almost transparency                           | almost transparency                           |

John Su  
QA & QC Manager