

## Certificate of Analysis

Date of Testing: 2023-04-21 10:01:11

Date of Next Testing: 2027-04-20 10:01:11

Product Name: **Potassium nitrite**

CAS Number: 7758-09-0

Specifications & Purity: ACS

Lot #: D2312503

SKU #: **P100086**

**Analysis:** **206813**

Storage Temperature: Protected from light, Desiccated

| Parameter                               | Limit Values                                         | Result                                               |
|-----------------------------------------|------------------------------------------------------|------------------------------------------------------|
| Insoluble matter in H <sub>2</sub> O    | 0-0.01 (%)                                           | 0.00 %                                               |
| Iron(Fe)                                | 0-0.001 (%)                                          | 0.00 %                                               |
| Purity(Titration by KMNO <sub>4</sub> ) | 95.5-104.5 (%)                                       | 98.73 %                                              |
| Calcium(Ca)                             | 0-0.005 (%)                                          | 0.00 %                                               |
| Chloride (Cl <sup>-</sup> )             | 0-0.03 (%)                                           | 0.01 %                                               |
| Magnesium(Mg)                           | 0-0.002 (%)                                          | 0.00 %                                               |
| Heavy metal (as Pb)                     | 0-0.001 (%)                                          | 0.00 %                                               |
| Sodium(Na)                              | 0-0.5 (%)                                            | 0.00 %                                               |
| Appearance (P100086)                    | white to yellow crystals, powder, crystalline powder | white to yellow crystals, powder, crystalline powder |
| ICP: Confirms Potassium Component       | Confirmed                                            | Confirmed                                            |
| X-Ray Diffraction                       | Conforms to Structure                                | Conforms to Structure                                |



John Su  
QA & QC Manager