

## Certificate of Analysis

Date of Testing: 2022-12-10 16:11:32  
 Date of Next Testing: 2026-12-09 16:11:32  
 Product Name: **Potassium thiocyanate**  
 CAS Number: 333-20-0  
 Specifications & Purity: Guaranteed Reagent, 99%  
 Lot #: L2202216  
 SKU #: **P112197**  
**Analysis:** **126412**  
 Storage Temperature: Protected from light, Argon charged, Desiccated

| Parameter                               | Limit Values                                      | Result                                            |
|-----------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Iron(Fe)                                | 0-50 (ppm)                                        | 12.50 ppm                                         |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> ) | 0-0.002 (%)                                       | 0.00 %                                            |
| Chloride (Cl <sup>-</sup> )             | 0-0.003 (%)                                       | 0.00 %                                            |
| PH(5% in water, 25°C)                   | 5.3-8.5                                           | 6.37                                              |
| Insoluble matter in H <sub>2</sub> O    | 0-0.003 (%)                                       | 0.00 %                                            |
| Copper(Cu)                              | 0-0.0002 (%)                                      | 0.00 %                                            |
| Lead(Pb)                                | 0-0.0002 (%)                                      | 0.00 %                                            |
| Sodium(Na)                              | 0-0.01 (%)                                        | 0.00 %                                            |
| sulfide (S <sup>2-</sup> )              | 0-0.001 (%)                                       | 0.00 %                                            |
| Substances reducing iodine              | 0-0.02 (%)                                        | 0.02 %                                            |
| Ammonia (NH <sub>4</sub> )              | 0-0.001 (%)                                       | 0.00 %                                            |
| Assay(Titration by AgNO <sub>3</sub> )  | 98.5-101.5 (%)                                    | 100.63 %                                          |
| Appearance(P112197)                     | Colorless to White Crystalline Powder or Crystals | Colorless to White Crystalline Powder or Crystals |
| X-Ray Diffraction                       | Conforms to Structure                             | Conforms to Structure                             |



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager