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| --- | --- | --- | --- |
|  | **Description** | **UOM** | **Specification** |
| 1 | Physical State / Color | - | Powder / white |
| 2 | Assay Content | % | 98 |
| 4 | Grade |  | AR |
| 5 | Mol. Wt. | g/mol | 303.2 |
| 6 | **Element** | **%** | **Percentage** |
|  | Lead Sulphate | % | 98 |
|  | Water soluble substance | % | 0.05 |
|  | Substance soluble in. Solution of sodium acetate | % | 0.05 |
|  | Iron (Fe) | % | 0.002 |
|  | Chloride (Cl) | % | 0.002 |
| 7 | Melting point | °C | 1087 |
| 8 | Boiling point | °C | XXX |
| 9 | Particle size distribution | µm | 50-150 mesh |
| 10 | Bulk density | g/cm3 | XXX |
| 11 | Supplier |  | Elegance Scientific |
| 12 | MSDS no. | - | XXX |
| 13 | CAS no. | - | 7446-14-2 |
| 14 | **Acceptance Criteria** | | |
|  | Visual Acceptance | - | White |
|  | Assay Content | % | 97±1 |
|  | Melting point | °C | 1087 |
| 15 | **Properties** | **Test Method** | **Test Agency** |
|  | Quantitative & qualitative analysis | ICPMS/XRD/ED-XRF | NABL, IIT-HYD, CMET |
|  | Morphology & Particle size distribution | Scanning electron microscope (SEM) | NABL, SRR labs |
|  | Specific heat & Thermal Conductivity | DSC/TGA | NABL, IIT-HYD, CMET |