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| --- | --- | --- | --- |
| **Sno** | **Description** | **UOM** | **Specification** |
|  | Physical State / Color | - | Solid/ Yellow white |
|  | Assay Content | % | 98±1 |
|  | Grade | - | Metals Basis |
|  | Mol. Wt. | g/mol | 45.5 |
|  | **Element** | **%** | **Percentages** |
|  | Lithium (Li+) | % | 30.6 |
|  | Sulfide (S2-) | % | 69.4 |
|  | Melting point | °C | 938 |
|  | Particle size distribution | µm | 200-350 |
|  | Bulk density | kg/m3 | 1820 |
|  | Supplier | - | Jainson Lab India |
|  | MSDS no. | - | XXXX |
|  | CAS no. | - | 12136-58-2 |
|  | **Acceptance Criteria** | | |
|  | Visual Acceptance | - | Yellow white powder |
|  | Assay Content | % | 98 ± 1 |
|  | Melting point | °C | 938 ± 2 |
|  | **Properties** | **Test Method** | **Test Agency** |
|  | Quantitative & qualitative analysis | ICPMS/XRD/ED-XRF | NABL, IIT-HYD, CMET |
|  | Particle size distribution | Sewing & others | RES, NABL, SRR labs |
|  | Specific heat & Thermal Conductivity | DSC/TGA | NABL, IIT-HYD/CMET |