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| --- | --- | --- | --- |
| **Sno** | **Description** | **UOM** | **Specification** |
|  | Physical State / Color | - | Solid Powder / Grey |
|  | Assay Content | % | 98 |
|  | Grade | - | Industrial Grade |
|  | Mol. Wt. | g/mol | 51 |
|  | **Element** | **%** | **Percentage** |
|  | Lithium (Li) | % | 44 ± 2 |
|  | Silicon (Si) | % | 56 ± 2 |
|  | Sodium (Na) | % | ≤0.18 |
|  | Aluminum (Al) | % | ≤0.04 |
|  | Calcium (Ca) | % | ≤0.06 |
|  | Nickel (Ni) | % | ≤0.20 |
|  | Melting point | °C | 700 |
|  | Particle size distribution | µm | 100 |
|  | Bulk density | g/cm3 | XXX |
|  | Specific heat | J/ (kg K) | 0.92885 |
|  | Supplier | - | MBC Solar |
|  | MSDS no. | - | XXX |
|  | CAS no. | - | NA |
|  | **Acceptance Criteria** | | |
|  | Visual Acceptance | - | Grey Powder |
|  | Assay Content | % | 98 ± 1 |
|  | Melting Point | °C | 700 ± 2 |
|  | **Properties** | **Test Method** | **Test Agency** |
|  | Quantitative & qualitative analysis | ICPMS/ED-XRF | NABL, IIT-HYD, CMET |
|  | Particle size distribution | Sieving & Others | RES, NABL |
|  | Specific heat & Thermal Conductivity | DSC/TGA | NABL, IIT-HYD, CMET |