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| --- | --- | --- | --- |
| **Sno** | **Description** | **UOM** | **Specification** |
|  | Physical State / Color | - | solid/ silvery White |
|  | Assay Content | % | 97 |
|  | Grade | % | XXX |
|  | Mol. Wt. | g/mole | 58.69 |
|  | **Element** | **%** | **Percentage** |
|  | Nickel | % | ≥ 99.5 |
|  | Manganese (Mn) | % | ≤ 0.30 |
|  | iron (Fe) | % | ≤ 0.2 |
|  | Copper (Cu) | % | ≤ 0.05 |
|  | Sulphur (S) | % | ≤ 0.02 |
|  | Carbon (C) | % | ≤ 0.1 |
|  | Thickness | mm | 0.14, 0.30,0.12,0.2 (±0.005) |
|  | Melting point | °C | 1455 |
|  | Supplier |  | JLC Electromet |
|  | MSDS no. | - | XXXX |
|  | CAS no. | - | 12001-26-2 |
|  | **Acceptance Criteria** | | |
|  | Visual Acceptance | - | Silvery White Solid |
|  | Assay Content | % | 96 ± 1 |
|  | Dimensions | - | Drawing no: |
|  | Thermal Conductivity | W/m-K | 90-100 |
|  | **Properties** | **Test Method** | **Test Agency** |
|  | Quantitative analysis | ICPMS/AAS | NABL, IIT-HYD, CMET |
|  | Dimensions | Vernier & others | RES |
|  | Mechanical Properties | Tensile strength | CITD |
|  | Specific heat & Thermal Conductivity | COC | NABL, IIT-HYD, CMET |