

# Material Composition Data



Product: GSX49-3

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## GSX49-3 - SM Crystal

| Sub-Assembly            | Material       | Substance        | CAS No     | Mass (mg)         | Sub-Assembly % by mass |
|-------------------------|----------------|------------------|------------|-------------------|------------------------|
| <b>Base</b>             | Metal          | Co               | 7440-48-4  | 9.900             | 3.30                   |
|                         | Metal          | Cu               | 7440-50-8  | 3.300             | 1.10                   |
|                         | Metal          | Fe               | 7439-89-6  | 253.200           | 84.40                  |
|                         | Metal          | Ni               | 7440-02-0  | 20.400            | 6.80                   |
|                         | Metal          | SiO <sub>2</sub> | 14808-60-7 | 7.200             | 2.40                   |
|                         | Metal          | Sn               | 7440-31-5  | 6.000             | 2.00                   |
| <b>Cover</b>            | Metal          | Cu               | 7440-50-8  | 57.600            | 64.00                  |
|                         | Metal          | Ni               | 7440-02-0  | 17.550            | 19.50                  |
|                         | Metal          | Zn               | 7440-66-6  | 14.850            | 16.50                  |
| <b>Crystal Blank</b>    | Quartz         | SiO <sub>2</sub> | 14808-60-7 | 9.900             | 100.00                 |
| <b>Electrode</b>        | Metal          | Ag               | 7440-22-4  | 0.050             | 100.00                 |
| <b>Insulator Spacer</b> | Glass Fibre    | Glass Fibre      | 65997-17-3 | 20.000            | 40.00                  |
|                         | Plastic        | PPS              | 9016-75-5  | 30.000            | 60.00                  |
| <b>Silver Adhesive</b>  | Silicone Resin | Ag               | 7440-22-4  | 0.043             | 84.31                  |
|                         | Silicone Resin | Si               | 7440-21-3  | 0.008             | 15.69                  |
| <b>Total Mass:</b>      |                |                  |            | <b>450.001 mg</b> |                        |

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