

## Typical Analysis

### GERMANIUM

#### REDUCED GERMANIUM INGOT

|        |            | FORMULA: Ge  |
|--------|------------|--|
| CODE # | Ge (% min) | Impurities (ppm max)                                     |
| RM6501 | 99.999     | Mn, Ti, Mg, Fe, Cu, Ca, Al, Pb, Zn, Bi, Ni, Cr =Total 10 |

RESISTIVITY: 10-45 ( $\Omega$ ) cm (four probe method, 25°C)

INGOT WEIGHT: 600-900 gms

PACKING: Each ingot in plastic bag being put into styrofoam box with wooden case outside tied up with steel tape.

#### ZONE-REFINED GERMANIUM INGOT

|        |           | FORMULA: Ge          |
|--------|-----------|----------------------|
| CODE # | Ge (%min) | Impurities (ppm max) |
| RM6601 | 99.999999 | 1                    |

RESISTIVITY: 50 ( $\Omega$ ) cm (four probe method, 25°C)

INGOT WEIGHT: 1000-1500 gms

PACKING: Each ingot in plastic bag being put into styrofoam box with wooden case outside tied up with steel tape.

#### GERMANIUM POWDER

|        |           | FORMULA: Ge  |
|--------|-----------|--|
| CODE # | Ge (%min) | Impurities (ppm max)   |
| RM6701 | 99.999    | Si, Fe, Zn, Ca, Al, Ni, Mn, Mg, Cu, Pb, Cr, Bi, Ti =total 10 |

PACKING: As requested

#### HIGH PURITY GERMANIUM DIOXIDE

|        |                         | FORMULA: GeO <sub>2</sub>                                     |
|--------|-------------------------|---|
| CODE # | GeO <sub>2</sub> (%min) | Impurities (max) each:100 ppb                                 |
| RM6801 | 99.9999                 | Fe, Zn, Ca, Al, Mn, Mg, Cu, Pb, Ni, Cr, Bi, Ti = total :1 ppm |

PACKING: Wooden case tied up by steel tape with inner plastic bottles of 1kg net each.

#### SUPERPURE GERMANIUM TETRACHLOR

|        |                          | FORMULA: GeCl <sub>4</sub>                   |
|--------|--------------------------|--|
| CODE # | GeCl <sub>4</sub> (%min) | Impurities (ppb max)                         |
| RM6901 | 99.999999                | Fe, Cu, Mn, Cr, V, Co, Ni, and Ti, = total 5 |

PACKING: Special packing to ensure safety in handling transportation.

\*\*\* ALL INFORMATION IS FOR REFERENCE ONLY, NOT TO BE USED AS INCOMING PRODUCTS SPECIFICATIONS \*\*\*

# NON-FERROUS METALS