

Item Nos. 1-6: Detailed specification and quantities

Sl. No	Details of the material	Purity	Quantity
1	<p>High purity materials: in the form of wire (diameter: 1-2mm) Au (gold), Ag (silver), ⁵⁶Fe(iron), ⁵⁷Fe (iron isotope), Pt (platinum), W (tungsten), Mo (Molybdenum), Ta (Tantalum), Sn (tin), Cr(Chromium), Zr (Zirconium), Bi(Bismuth), Mn(Manganeese),</p>	99.5-99.99 % or above	For each material: 5gm,10gm, 20gm, 50gm, 100gm, 200 gm, and 500gm pack sizes maybe quoted
2	<p>High purity materials in fine powder form : Lithium Hydride, Calcium Hydride, Iron Phosphide, Iron Sulphide, Silver Iodide, Cesium Iodide, Silver Chloride, Calcium Fluoride, Boron Nitride, Zinc Oxide, Beryllium oxide, Decaboron (B₁₀ H₁₄). Enriched Lithium (⁶Li), Iron ⁵⁷Fe & ⁵⁶Fe, Co, Sb, Mn, V, Bi, Ge, Cr, Fe₂O₃ , and TiO₂</p>	99.5-99.99% or above	5 gm, 10 gm, 20gm, 50 gm, 100 gm, 200 gm, and 500 gm pack sizes can be quoted.
3	<p>Metal Oxides LaO, Lanthanum Oxide (LaO), BaCO₃, Barium carbonate (BaCO₃) CaCO₃, Calcium Carbonate (CaCO₃) SrCO₃, Strontium Carbonate (SrCO₃) Praseodimium Oxide (Pr₂O₃) Manganese Oxide (MnO₂) Titanium Oxide (TiO₂) Lead Oxide (PbO₂) Bismuth Oxide (BiO) Copper Oxide (CuO)</p>	4N ——— 4N ——— 4N /—— 4N ——— 4N /—— 4N /—— 4N /—— 4N /—— 4N /—— 4N /—— 4N /—— 4N /——	20 gm 25 gm 25 gm 25 gm 10 gm 10 gm 10 gm 10 gm 20 gm 20 gm
4	<p>High purity and single crystalline wafers: <u>2-4” diameter and up to 0.5 mm thickness & One-side polished (unless mentioned with different dimensions)</u> (a) p-Si<100>; resistivity: 0.01-0.5 Ω-cm (b) p-Si<100>; resistivity: 1- 15 Ω-cm</p>		30 pcs. 20 pcs.

(c) p-Si<100> resistivity: 50-100 Ω -cm	20 pcs.
(d) n-Si<100> resistivity : 0.01-0.5 Ω -cm	30 pcs.
(e) p-Si<111> resistivity: 0.01- 5 Ω -cm	30 pcs.
(f) n-Si<111> resistivity: 0.01- 5 Ω -cm	20 pcs.
(g) n-Si<100> CZ grown, resistivity up to 5 Ω -cm	20 pcs.
(h) p-Si<100> CZ grown, resistivity up to 5 Ω -cm	20 pcs.
(i) p-Si<111> CZ grown, resistivity up to 5 Ω -cm	20 pcs.
(j) p-Ge <100> resistivity : 0.01-5 Ω -cm	20 pcs.
(k) n-Ge <111> resistivity : 0.01 – 5 Ω -cm	10 pcs.
(l) p-GaSb <100> resistivity:0.01-5 Ω -cm	23 pcs.
(m) ZnO <0001> (thickness: 0.5mm): 10×10 mm ² (should be free from or extremely low impurity contents so far their magnetic sensitivity is concerned: Samples are meant for magnetic measurements)	30 pcs.
(n) Single crystalline ZnO <100> (thickness: 1mm); 1 cm. dia and one side polished	6 pcs.
(o) Single crystalline Al ₂ O ₃ (sapphire) (thickness: 0.5mm): 2 in. dia.	30 pcs.
(p) Al ₂ O ₃ <0001> (thickness: 1mm): 1 cm. dia. and one side polished	8 pcs.
(q) SiO ₂ <111> (thickness: 1 mm, 2 in. dia. one side polished)	4 pcs.
(r) Single crystalline SiO ₂ (thickness: 0.5mm to 1mm): 2 in. dia.	30 pcs.

	<p>(s) Highly Oriented Pyrolytic Graphite (HOPG) <0001></p> <p>(t) InP <111> (S doped), thickness: 0.5 mm, resistivity: 0.04 Ω-cm, one-side polished</p> <p>(u) InP</p> <p>(v) MgO <100> (1 cm. dia. thickness: 1 mm, one-side polished)</p> <p>(w) GaAs <111>, Resistivity: 0.04 Ω-cm, thickness 0.5 mm, one-side polished</p> <p>(x) GaAs <100>, Resistivity: 0.04 Ω-cm, thickness 0.5 mm, one-side polished</p> <p>(y) GaAs</p> <p>(z) Fe₂O₃ <0001> 1 cm dia, 1mm thick, one-side polished</p> <p>(aa) InSb<111> (Te doped) Resistivity: 0.04 Ω-cm, thickness 0.5 mm, one-side polished</p> <p>(ab) Mica (pack of 100gms)</p> <p>(ac) HOPG ZYA Grade 10×10×2 mm³</p>		<p>3 pcs.</p> <p>3 pcs.</p> <p>5 pcs.</p> <p>11 pcs.</p> <p>3 pcs.</p> <p>3 pcs.</p> <p>5 pcs.</p> <p>3 pcs.</p> <p>3 pcs.</p> <p>3 pkts.</p> <p>10 pcs.</p>
5	<p>Single Crystals</p> <p>(1) Ni, 5×5×2 mm³, (100)</p> <p>(2) Au, 5×5×2 mm³ (100)</p> <p>(3) Cu, 5×5×2 mm³ (100)</p> <p>(4) NiO, 5×5×2 mm³ (110)</p>	<p>4 N</p> <p>4N</p> <p>4N</p> <p>4N</p>	<p>1 pc.</p> <p>1 pc.</p> <p>1 pc.</p> <p>1 pc.</p>
6	<p>Metal Foils</p> <p>(1) Au, 25 × 25 mm²</p> <p>(2) Ni, 25 × 25 mm²</p> <p>(3) Ag, 25 × 25 mm²</p> <p>(4) Cu, 25 × 25 mm²</p>	<p>4 N</p> <p>4N</p> <p>4N</p> <p>4N</p>	<p>1 pc.</p> <p>1 pc.</p> <p>1 pc.</p> <p>1 pc.</p>
7	<p>Polymers:</p>		

