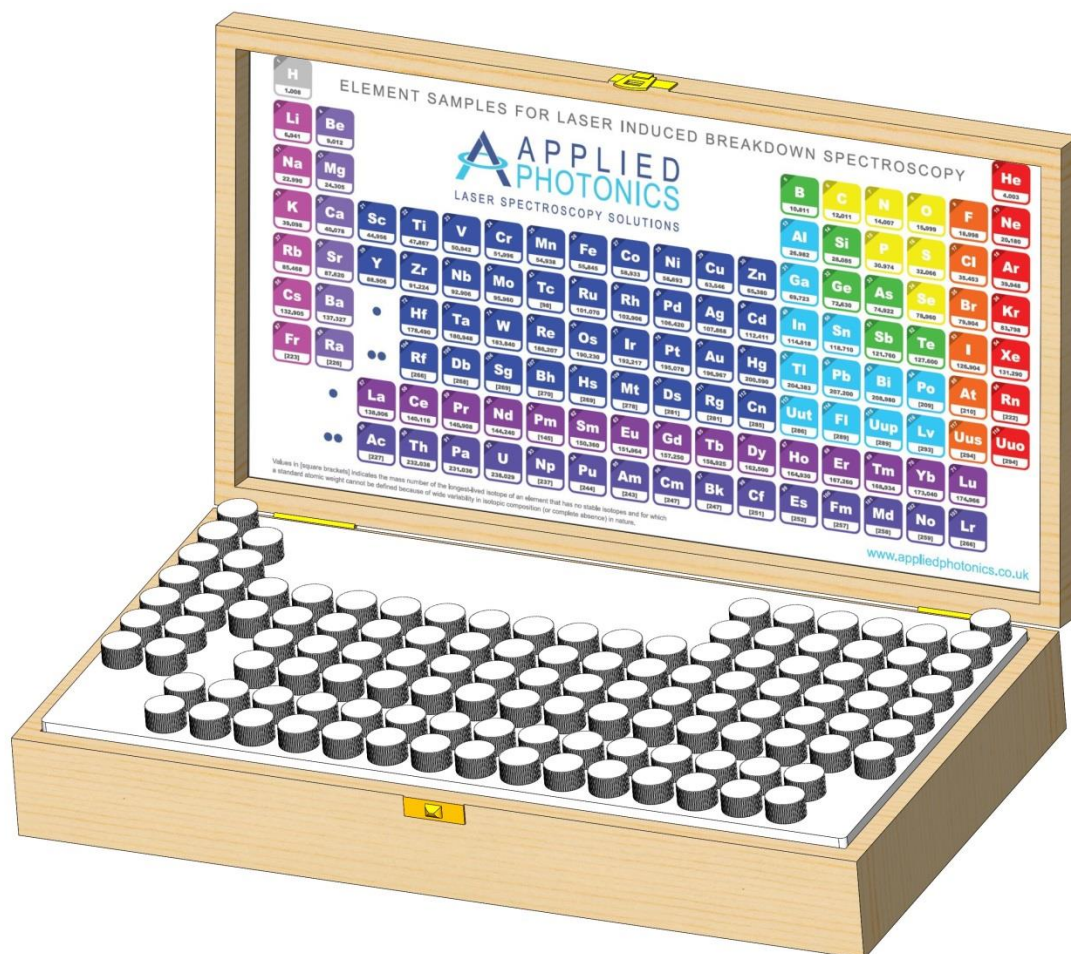


High Purity Element Samples and Alloys for LIBS

Element (form)			Purity %	Approx. mass (g)
Aluminium alloy 5083 (cuboid)	Mg: 4.00-4.90% Mn: 0.40-1.00% Fe: max. 0.40% Cu: max. 0.10%	Si: 0.0-0.40% Zn: 0.0-0.10% Cr: 0.05-0.25% Ti: 0.05-0.25%	~ 94% Al	<25
Aluminium alloy 6082 (cylinder)	Mg: 0.60-1.20% Si: 0.70-1.30% Mn: 0.40-1.00% Fe: 0.0-0.50%	Cu: 0.0-0.10% Zn: 0.0-0.20% Ti: 0.0-0.10% Cr: 0.0-0.25%	~ 95% Al	<20
Beryllium (Cu/Be alloy) (washer)	Be Cu		~ 0.4 Balance	<1
Carbon (C) (disc ø 10 mm)			99.999	<0.5
Copper (Cu) (disc ø 12.7 mm)			99.994	<10
Iron (Fe) (pieces)			99.99	<2
Manganese (Mn) (flakes)			99.98	<1
Niobium (Nb) (disc ø 5 mm)			99.9	<1
Silicon (Si) (pieces)			99.9999+	<1.5
Silver (Ag) (disc ø 7 mm)			99.999	<2
Sulphur (S) (pieces)			99.999	<1
Tin (Sn) (disc ø 6 mm)			99.999	<1
Titanium (Ti) (disc ø 5mm)			99.6	<2
Tungsten (W) (disc ø 4 mm)			99.95	<1
Vanadium (V) (turnings)			99.8	<0.5
Zinc (Zn) (ingot)			99.99	<3
Zirconium (Zr) (disc ø 6.3 mm)			99.7	<1



CAD illustration of samples kit

Sample plate



CAD illustration of sample plate

Element (form)	Purity %
Cu (disc ø 12.7 mm)	99.99 – 99.994
Al (disc ø 10 mm)	99.999
Mg (disc ø 10 mm)	99.95
Zn (disc ø 8 mm)	99.999
Ti (disc ø 10 mm)	99.6 - 99.9
Fe (disc ø 12.7 mm)	99.6 - 99.9