



Total Mass	0.0300649	0.027063901	0.000815611	2.22E-04	9.53E-04	4.91407E-06	0.000380653	0.000624442							
CAS	Material	Substrate	Conductor Paste	Resistive Paste	Glazes	Ink	Nickle Plating	Tin Plating	Substrate PPM	Conductor Paste PPM	Resistive Paste PPM	Glazes PPM	Ink PPM	Nickle Plating PPM	Tin Plating PPM
7440-48-4	Cobalt (Co)		1.22342E-05		0.000195102					15000	0	204627	0	0	0
7439-98-7	Molybdenum (Mo)				0.000260136					0	0	272836	0	0	0
7440-02-0	Nickel (Ni)						0.000380653			0	0	0	0	1000000	0
7440-22-4	Silver (Ag)		0.000742206							910000	0	0	0	0	0
7440-31-5	Tin (Sn)							0.000624442		0	0	0	0	0	1000000
7440-32-6	Titanium (Ti)		6.11708E-05							75000	0	0	0	0	0
24304-00-5	Aluminum Nitride (AlN)	0.025710706							950000	0	0	0	0	0	0
1344-28-1	Aluminum Oxide (Al2O3)			2.87596E-05	1.94901E-05					0	129590	20442	0	0	0
1303-86-2	Boron Oxide (BO)			2.87596E-05	6.496E-05					0	129590	68128	0	0	0
1308-38-9	Chromium(III) oxide (Cr2O3)				4.30419E-06					0	0	4514	0	0	0
1309-48-4	Magnesium oxide (MgO)			3.23151E-05						0	145610	0	0	0	0
12036-10-1	Ruthenium(IV) dioxide (RuO2)			9.25395E-05						0	416979	0	0	0	0
7631-86-9	Silica amorphous (SiO2)					7.02221E-07				0	0	0	142900	0	0
14808-60-7	Silicon dioxide (SiO2)			1.09632E-05	1.94901E-05					0	49400	20442	0	0	0
13463-67-7	Titanium dioxide (TiO2)					4.21185E-06				0	0	0	857100	0	0
1314-36-9	Yttrium (III) oxide (Y2O3)	0.001353195							50000	0	0	0	0	0	0
1314-13-2	Zinc oxide (ZnO)			2.85912E-05	0.000194871					0	128831	204385	0	0	0
	*Proprietary Metal Compound				6.50339E-05					0	0	68209	0	0	0
	*Proprietary Blue Pigment				0.000130068					0	0	136418	0	0	0