



ITO-220 Material Safety Data Sheet

Material Content Declaration					
Material name	Substance name e.g. Copper (Cu), Gold (Au)	CAS no., if known	Substance mass (mg)	% OF Weight (%)	ppm Of Total Weight
Lead Wire 35.25%	Copper (Cu)	7440-50-8	594.866	99.9607	372,010.3
	Phosphorus (P)	7723-14-0	0.011	0.0019	6.9
	Arsenic (As)	7440-38-2	0.011	0.0019	6.9
	Tin (Sn)	7440-31-5	0.011	0.0019	6.9
	Oxygen (O)	7782-44-7	0.006	0.0009	3.4
	Sulfur (S)	7704-34-9	0.132	0.0222	82.8
	Iron (Fe)	7439-89-6	0.007	0.0012	4.6
	Nickel (Ni)	7440-02-0	0.003	0.0006	2.1
	Bismuth (Bi)	7440-69-9	0.022	0.0037	13.8
	Antimony (Sb)	1309-64-4	0.022	0.0037	13.8
	Lead (Pb)	7439-92-1	0.006	0.0009	3.4
	Zinc (Zn)	7440-66-6	0.003	0.0006	2.1
	Total		595.10		
Solder Wafer 0.31%	Lead (Pb)	7439-92-1	13.79	92.23	8,625.1
	Tin (Sn)	7440-31-5	0.78	5.18	484.7
	Silver (Ag)	7440-22-4	0.39	2.59	242.0
	Total		14.96		
Chip 0.21%	Silicon (Si)	7440-21-3	4.16	95.40	2,601.2
	Lead (Pb)	7439-92-1	0.20	4.60	125.4
	Total		4.36		
Molding 64.11%	Epoxy	38891-59-7	964.64	100.00	603,257.2
	Total		964.64		
Plating 0.12%	Tin (Sn)	7440-31-5	20.00	100.00	12,507.3
	Total		20.00		
	Total mass (mg)		1,599.06		