

CHARACTERISTIC EMISSION LINES FROM ELECTRON-IMPACT SOURCE

Photon Energy eV	Species	Material	Element Name
49.3	Mg-L/M	Mg (a)	Magnesium
72.4	Al-L/M	Al (a)	Aluminum
		Sapphire (b)	
91.5	Si-L/M	Si (b)	Silicon
108.5	Be-K	Be (b)	Beryllium
132.8	Y-Mz	Y (b)	Yttrium
151.1	Zr-Mz	Zr (a,b)	Zirconium
171.7	Nb-Mz	Nb (a,b)	Niobium
183.3	B-K	B (b)	Boron
192.6	Mo-Mz	Mo (a,b)	Molybdenum
237	Ru-Mz	Ru (b)	Ruthenium
260	Rh-Mz	Rh (b)	Rhodium
277	C-K	Graphite (a)	Carbon
284.4	Pd-Mz	Pd (b)	Palladium
311.7	Ag-Mz	Ag (a)	Silver
348.3	Sc-Ll	Sc (b)	Scandium
395.3	Ti-Ll	Ti (a,b)	Titanium
395.4	Sc-La	Sc (b)	Scandium
397	Sn-Mz	Sn (a)	Tin
446.5	V-Ll	V (a)	Vanadium
452.2	Ti-La	Ti (a,b)	Titanium
500.3	Cr-Ll	Cr (b)	Chromium
511.3	V-La	V (a)	Vanadium
519.2	V-Lb	V (a)	Vanadium
524.9	O-K	Sapphire (b)	Oxygen
556.3	Mn-Ll	Mn (b)	Manganese
572.8	Cr-La	Cr (b)	Chromium
582.8	Cr-Lb	Cr (b)	Chromium
615.2	Fe-Ll	Fe (a,b)	Iron
		Stn Stl (a)	
637.4	Mn-La	Mn (b)	Manganese
648.8	Mn-Lb	Mn (b)	Manganese
677.8	Co-Ll	Co (b)	Cobalt
705	Fe-La	Fe(a,b)/SS (a)	Iron
718.5	Fe-Lb	Fe(a,b)/SS (a)	Iron
742.7	Ni-Ll	Ni (a)	Nickel
776.2	Co-La	Co (b)	Cobalt
791.4	Co-Lb	Co (b)	Cobalt
811.1	Cu-Ll	Cu (a)	Copper
832	Cu-Le	Cu (a)	Copper
851.5	Ni-La	Ni (a)	Nickel
868.8	Ni-Lb	Ni (a)	Nickel
884	Zn-Ll	Zn (a)	Zinc
929.7	Cu-La	Cu (a)	Copper
949.8	Cu-Lb	Cu (a)	Copper

Photon Energy eV	Species	Material	Element Name
1011.7	Zn-La	Zn (a)	Zinc
1034.7	Zn-Lb	Zn (a)	Zinc
1036.2	Ge-Ll	Ge (b)	Germanium
1188	Ge-La	Ge (b)	Germanium
1218.5	Ge-Lb	Ge (b)	Germanium
1253.6	Mg-Ka	Mg (a)	Magnesium
1302.2	Mg-Kb	Mg (a)	Magnesium
1380	W-Mz	W (b)	Tungsten
1486.7	Al-Ka	Al (a)	Aluminum
		Sapphire (b)	
1557.5	Al-Kb	Al (a)	Aluminum
		Sapphire (b)	
1660.5	Au-Mz	Au (a)	Gold
1685.4	Y-Ll	Y (b)	Yttrium
1740	Si-Ka	Si (b)	Silicon
1774	W-Ma	W (b)	Tungsten
1792	Zr-Ll	Zr (a,b)	Zirconium
1835.9	Si-Kb	Si (b)	Silicon
1902.2	Nb-Ll	Nb (a,b)	Niobium
1922.6	Y-La	Y (b)	Yttrium
2015.7	Mo-Ll	Mo (a,b)	Molybdenum
2042.4	Zr-La	Zr (a,b)	Zirconium
2122.9	Au-Ma	Au (a)	Gold
2165.9	Nb-La	Nb (a,b)	Niobium
2253	Ru-Ll	Ru (b)	Ruthenium
2293.2	Mo-La	Mo (a,b)	Molybdenum
2559	Ru-La	Ru (b)	Ruthenium
2697	Rh-La	Rh (b)	Rhodium
2839	Pd-La	Pd (b)	Palladium
2984	Ag-La	Ag (a)	Silver
3444	Sn-La	Sn (a)	Tin
4091	Sc-Ka	Sc (b)	Scandium
4460	Sc-Kb	Sc (b)	Scandium
4511	Ti-Ka	Ti (a,b)	Titanium
4952	V-Ka	V (a)	Vanadium
5415	Cr-Ka	Cr (b)	Chromium
5899	Mn-Ka	Mn (b)	Manganese
6404	Fe-Ka	Fe(a,b)/SS (a)	Iron
6930	Co-Ka	Co (b)	Cobalt
7478	Ni-Ka	Ni (a)	Nickel
8048	Cu-Ka	Cu (a)	Copper
8398	W-La	W (b)	Tungsten
8639	Zn-Ka	Zn (a)	Zinc
9713	Au-La	Au (a)	Gold
9887	Ge-Ka	Ge (b)	Germanium