

#	Code	Space Group	Z	Sum Formula	Density [g/cm ³]	Crystal System
1	314837	FD-3M	8	Lu₂Hf₂O₇	9.99	cubic
2	39486	R3H	3	Lu₄Hf₃O₁₂	9.90	trigonal/rhombohedral
3	20261	P12/A1	2	LuTaO₄	9.75	monoclinic
4	96211	IA3	16	Lu₂O₃	9.51	cubic
5	33659	I213	16	Lu₂O₃	9.48	cubic
6	60115	P63/M	1	SrBa₂Lu₂₂O₃₆	8.9	hexagonal
7	80365	PNMA	4	Lu₃F₅O₂	8.74	orthorhombic
8	9631	P63	2	SrCa₂Lu₁₀O₁₈	8.44	hexagonal
9	50758	PNMA	4	PrLuO₃	8.42	orthorhombic
10	63409	P4-21M	2	Lu_{0.8}Nd_{1.2}WO₆	8.17	tetragonal
11	51449	PNMA	4	LaLuO₃	8.17	orthorhombic
12	15125	PNAM	4	CaLu₂O₄	8.1	orthorhombic
13	38383	R3H	3	Ba₃Lu₄O₉	8.02	trigonal/rhombohedral
14	89624	P121/C1	4	Lu₂SiO₅	7.89	monoclinic
15	23850	IA3-D	8	Lu₃Ga₅O₁₂	7.82	cubic
16	202270	P12/C1	2	CsLuW₂O₈	7.7	monoclinic
17	32688	FD3-MZ	8	Lu₂V₂O₇	7.65	cubic
18	15164	R3-MH	3	RbLuO₂	7.6	trigonal/rhombohedral
19	92454	IMMM	2	AlLu₂Si₂	7.54	orthorhombic
20	279584	C12/C1	8	Lu₂SiO₅	7.4	monoclinic
21	39929	P41212	4	Lu₂Ge₂O₇	7.37	tetragonal
22	39790	P12/C1	2	Lu₆Ge₄O₁₇	7.36	monoclinic
23	43767	PM3-M	1	BaLu_{0.5}Nb_{0.5}O₃	7.22	cubic
24	16525	R3-CH	6	LuBO₃	6.86	trigonal/rhombohedral
25	23846	IA3-D	8	Lu₃Al₅O₁₂	6.7	cubic
26	79761	I41/AMDZ	4	LuPO₄	6.55	tetragonal
27	8024	FM3-M	8	BaCaF₁₀Lu₂	6.54	cubic
28	72147	I41/AMDZ	4	Lu_{0.9}Tb_{0.1}PO₄	6.46	tetragonal
29	15600	I41/AMDS	4	LuVO₄	6.33	tetragonal
30	78083	I41/AMDZ	4	LuVO₄	6.26	tetragonal
31	412249	C12/M1	2	Lu₂Si₂O₇	6.25	monoclinic
32	54196	PNMA	4	NaLuGeO₄	5.95	orthorhombic
33	200930	I41/AZ	4	Na₅LuW₄O₁₆	5.82	tetragonal
34	86299	P121/N1	2	Ca₂LuNbO₆	5.74	monoclinic
35	39744	P63CM	6	Ba₃LuB₃O₉	5,73	hexagonal
36	200929	I41/AZ	4	Na₅LuMo₄O₁₆	4.23	tetragonal
37	81612	P121/A1	4	NaCa₂LuF₂Si₂O₇	4.06	monoclinic
38	39718	C1M1	2	Ca₄LuB₃O₁₀	3.95	monoclinic
39	65344	P63/M	6	Na₃LuSi₂O₇	3.92	hexagonal
40	412528	P63/MMC	2	K₃LuSi₂O₇	3.9	hexagonal
41	66876	P3	3	K₃LuP₂O₈	3.89	trigonal/rhombohedral
42	20346	PBCN	6	LiLuS₂O₈	3.58	orthorhombic
43	91564	R3CH	6	Ca₉LuV₇O₂₈	3.45	trigonal/rhombohedral
44	51127	R3CH	6	LuCl₃O₁₂	3.44	trigonal/rhombohedral
45	200519	R32H	6	Na₁₅Lu₃Si₁₂O₃₆	3.4	trigonal/rhombohedral
46	65345	PM21N	2	K₆Lu₂Si₆O₁₈	3.26	orthorhombic