STRUCTURAL AND OPTICAL PROPERTIES OF LANGBEINITE-RELATED RED-EMITTING $K_2Sc_2(MoO_4)(PO_4)_2$:Eu PHOSPHORS

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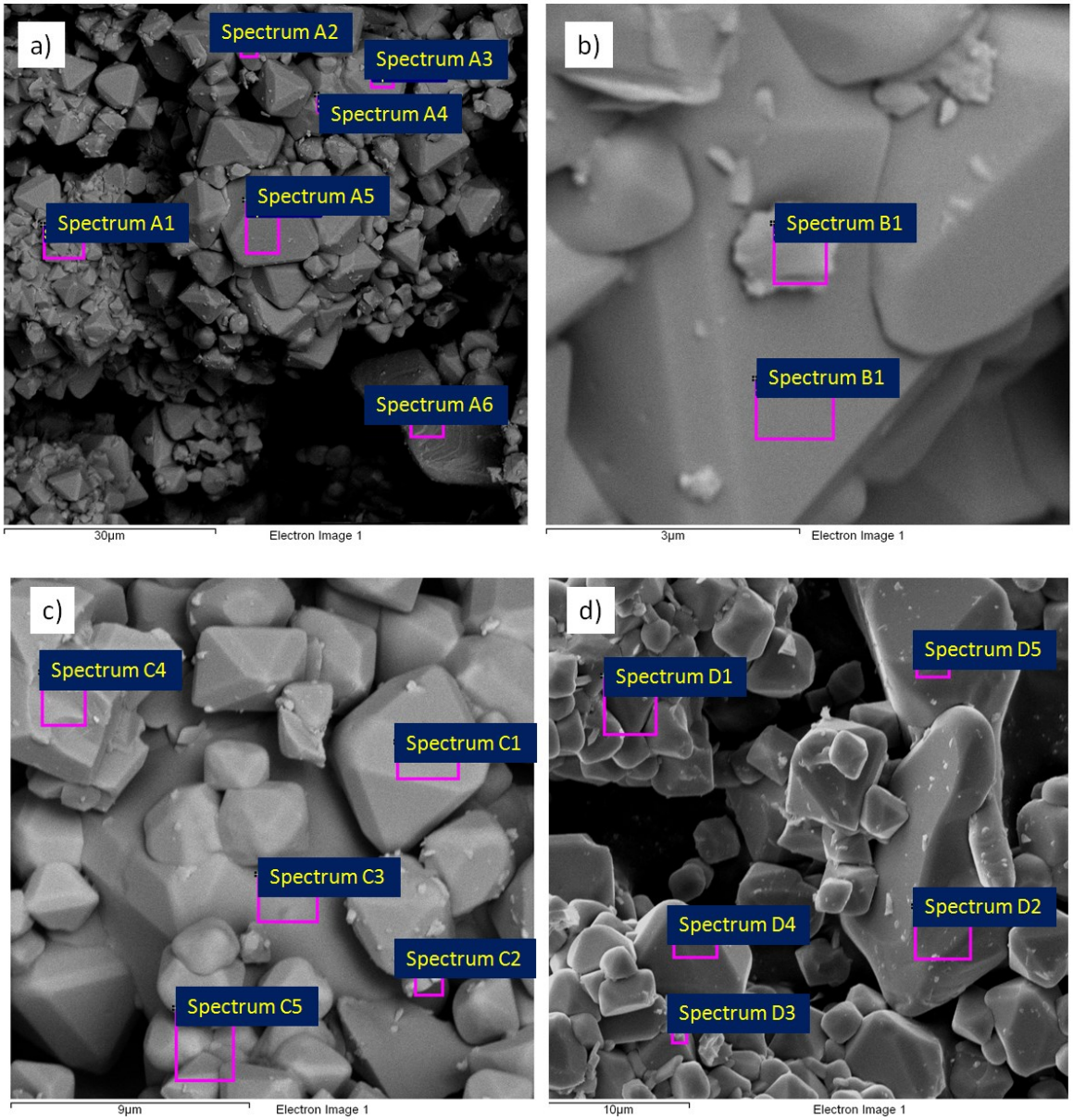

Fig. S1 SEM-EDS analysis of samples $K_2Sc_2(MoO_4)(PO_4)_2$:xEu powders; x = 0.1 (a) 0.6(b); 0.8(c); 1.0 mol % (d), and areas where EDS analysis has been performed

Table S1. The EDS data for $K_2Sc_2(MoO_4)(PO_4)_2$:xEu powders; x = 0.1 Solid Solutions (Phase 1 corresponds to $K_2Sc_2(MoO_4)(PO_4)_2$, Phase 2- to $ScPO_4$)

Area	Detected, weight %					
	K	Sc	P	Mo	O	Phase
SpectrumA1	15.01	17.34	11.96	18.52	37.17	1
SpectrumA2	13.96	16.84	11.32	19.52	38.36	1
SpectrumA3	15.64	17.76	10.32	16.77	39.51	1
SpectrumA4	16.11	18.12	12.33	18.67	34.77	1
SpectrumA5	15.08	17.77	12.04	18.85	36.26	1
SpectrumA6	14.84	18.22	11.26	17.32	38.36	1
SpectrumB1	15.11	18.72	11.94	17.96	36.27	1
SpectrumB2	14.81	17.46	10.88	19.27	37.58	1
SpectrumC1	14.84	16.92	10.54	17.21	40.49	1
SpectrumC2	15.32	16.87	10.87	17.51	39.43	1
SpectrumC3	13.96	18.14	10.54	18.77	38.59	1
SpectrumC4	15.47	16.74	11.67	17.95	38.17	1
SpectrumC5	15.34	16.34	12.34	19.32	36.66	1
SpectrumD1	15.06	17.37	11.97	18.53	37.07	1
SpectrumD2	0.43	32.24	21.76	0.72	44.85	2
SpectrumD3	14.61	16.87	12.81	17.01	38.70	1
SpectrumD4	15.42	16.92	12.14	16.21	39.31	1
SpectrumD5	0.51	32.74	22.42	0.27	44.06	2