Electronic Supplementary Material (ESI) for RSC Advances.

Supplementary table S1. Atom positions, equivalent and isotropic displacement parameters (in Å^2) and refined occupancies in the structure of curite as revealed from X-ray data.

	x/a	*y/b*	*z/c*	U_{iso}*/U_{eq}	Occupancy
U1	0.19811(4)	0.51261(5)	0.78509(3)	0.00871(14)	
U2	0.30365(5)	0.75	0.56534(5)	0.00887(19)	
U3	0.29061(5)	0.25	0.57588(5)	0.0110(2)	
Pb1	0.43486(7)	0.25	0.83187(7)	0.0296(3)	0.899(3)
Pb2	0.48237(13)	0.75	0.87761(12)	0.0444(6)	0.609(3)
O1	0.3297(7)	0.5346(9)	0.8427(7)	0.016(3)	
O2	0.4313(10)	0.25	0.6180(9)	0.021(4)	
O3	0.2737(7)	0.4940(8)	0.6212(8)	0.020(3)	
O4	0.5	0.5	1	0.038(6)	
O5	0.1259(8)	0.4193(11)	0.9370(7)	0.024(3)	
O6	0.2037(11)	0.75	0.7089(9)	0.023(4)	
O7	0.1768(10)	0.75	0.4920(9)	0.018(4)	
O8	0.0648(7)	0.4864(9)	0.7328(7)	0.018(3)	
O9	0.1519(10)	0.25	0.5336(9)	0.020(4)	
O10	0.2431(11)	0.25	0.7526(9)	0.019(4)	
O11	0.4307(11)	0.75	0.6303(9)	0.024(4)	
O12	0.3461(10)	0.25	0.4024(9)	0.015(4)	
H5	0.0483(18)	0.412(15)	0.932(10)	0.0283*	
H12	0.423(3)	0.25	0.413(14)	0.0186*	
H4	0.48(3)	0.42(3)	0.947(17)	0.0451*	0.5

Supplementary table S2. Anisotropic displacement parameters (in Å²) for atoms in the structure of curite as revealed from X-ray data.

	U^{11}	U^{22}	U^{33}	U^{12}	U^{13}	U^{23}
U1	0.0115(3)	0.0063(2)	0.0083(2)	–0.00029(17)	–0.00041(18)	0.00061(16)
U2	0.0141(4)	0.0053(3)	0.0072(3)	0	–0.0004(3)	0
U3	0.0146(4)	0.0090(3)	0.0094(3)	0	–0.0005(3)	0
Pb1	0.0234(5)	0.0286(5)	0.0369(6)	0	0.0098(4)	0
Pb2	0.0255(9)	0.0668(12)	0.0410(10)	0	0.0002(7)	0
O1	0.018(5)	0.017(4)	0.013(4)	–0.003(4)	0.001(4)	0.001(4)
O2	0.019(7)	0.024(7)	0.022(7)	0	0.005(6)	0
O3	0.017(5)	0.002(4)	0.040(6)	0.001(3)	–0.002(4)	0.002(4)
O4	0.029(9)	0.059(12)	0.025(8)	0.010(8)	–0.020(7)	0.014(7)
O5	0.025(6)	0.025(5)	0.020(5)	–0.001(5)	0.007(4)	0.011(4)
O6	0.047(10)	0.002(5)	0.019(7)	0	0.010(7)	0
O7	0.013(7)	0.020(7)	0.022(7)	0	–0.008(6)	0
O8	0.016(5)	0.017(5)	0.021(5)	–0.006(4)	–0.012(4)	0.002(4)
O9	0.016(7)	0.026(7)	0.017(7)	0	0.002(6)	0
O10	0.028(8)	0.013(6)	0.017(7)	0	0.009(6)	0
O11	0.028(8)	0.017(6)	0.027(8)	0	–0.021(6)	0
O12	0.012(7)	0.018(6)	0.016(6)	0	–0.001(6)	0

Supplementary table S3. Selected interatomic distances (in Å) in the structure of curite as revealed from X-ray data.

U1–O1	1.823(9)	Pb1–O1	2.728(8)
U1–O3	2.339(10)	Pb1–O1^{v}	2.728(8)
U1–O5	2.311(9)	Pb1–O2	2.783(12)
U1–O6	2.223(5)	Pb1–O7^{i}	2.512(12)
U1–O8	1.819(9)	Pb1–O8^{vi}	2.700(8)
U1–O10	2.310(4)	Pb1–O8^{vii}	2.700(8)
U1–O12^{i}	2.567(7)	Pb1–O10	2.620(12)
<U1–O_{Ur}>	1.82	Pb1–O4	3.1366(7)
<U1–O_{eq}>	2.35	Pb1–O4^{x}	3.1366(7)
		Pb1–O9^{viii}	3.239(12)
U2–O3	2.295(7)	<Pb1–O>	2.83
U2–O3^{ii}	2.295(7)		
U2–O5^{iii}	2.361(9)	Pb2–O1	2.671(8)
U2–O5^{iv}	2.361(9)	Pb2–O1^{ii}	2.671(8)
U2–O6	2.248(12)	Pb2–O4	2.6400(8)
U2–O7	1.854(12)	Pb2–O4^{viii}	2.6400(8)
U2–O11	1.808(12)	Pb2–O7^{ix}	2.974(12)
<U2–O_{Ur}>	1.83	Pb2–O8^{ix}	2.830(8)
<U2–O_{eq}>	2.31	Pb2–O8^{vii}	2.830(8)
		Pb2–O9^{i}	2.639(12)
U3–O2	1.845(12)	Pb2–O6^{xii}	3.000(13)
U3–O3	2.138(7)	Pb2–O11	3.282(12)
U3–O3^{v}	2.138(7)	<Pb2–O>	2.56
U3–O9	1.825(12)		
U3–O10	2.376(12)		
U3–O12	2.362(12)		
<U3–O_{Ur}>	1.84		
<U3–O_{eq}>	2.25		
O1–O3	2.986(14)	O4–O9^{vi}	2.866(9)
O1–O4	2.973(9)	O5–O5^{v}	2.831(12)
O1–O5	2.998(13)	O5–O7^{i}	2.939(15)
O1–O6	2.962(13)	O5–O8	2.822(13)
O1–O10	2.871(10)	O5–O11^{i}	2.973(14)
O1–O12^{i}	2.953(13)	O5–O12^{i}	2.831(9)
O2–O3	2.842(12)	O6–O7	2.842(17)
O2–O3^{v}	2.842(12)	O6–O8	2.833(11)
O2–O5^{vi}	2.915(15)	O6–O8^{ii}	2.833(11)
O2–O5^{vii}	2.915(15)	O6–O12^{i}	2.595(17)
O2–O10	2.938(17)	O8–O10	2.998(13)
O3–O5^{iii}	2.804(14)	O9–O12	2.974(17)
O3–O6	2.582(10)	O11–O12^{xiii}	2.831(18)
O3–O7	2.983(12)	H5–H5^{xiv}	2.65(19)
O3–O8	2.998(13)	H5–H5^{v}	2.7(2)
O3–O9	2.794(12)	H5–H12^{i}	2.88(17)
O3–O10	2.692(11)	H5–H12^{xii}	2.93(15)
O3–O11	2.917(11)	H4–H4^{x}	1.9(4)

O4–O9[i]	2.866(9)	H4–H4[v]	2.8(4)