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Letters to the Editor

Erratum

At the request of Gligor Jovanovski, corresponding author of the review "Silicate Minerals from Macedonia. Complementary Use of Vibrational Spectroscopy and X-ray Powder Diffraction for Identification and Detection Purposes" published in volume 82, the following corrigendum is given:

G. Jovanovski, P. Makreski, B. Kaitner, and B. Boev, *Croat. Chem. Acta* **82** (2009) 363–386.

In the review process of the submitted manuscript for publication the referees asked the authors to transfer 2Θ values into d values in tables 2, 3, 6, 7, 8, 10, 11, 12 and 13. In this transferring process, instead of Θ values in the last step of transformation, the authors used 2Θ values which resulted in approximately twice shorter d values in the published paper.

The correct d values in Tables 2, 3, 6, 7, 8, 10, 11, 12, 13 are:

Table 2. The most intensive maxima and the unit cell parameters derived from the X-ray powder diagram of the studied almandine

h	k	l	d_{obs}	d_{cal}	d_{diff}
4	0	0	2.8834	2.8807	0.0027
4	0	2	2.5770	2.5766	0.0004
2	2	4	2.3533	2.3521	0.0012
1	0	5	2.2603	2.2598	0.0005
5	1	2	2.1036	2.1038	–0.0002
3	2	5	1.8681	1.8692	–0.0011
4	4	4	1.6629	1.6632	–0.0003
6	0	4	1.5984	1.5979	0.0005
6	2	4	1.5392	1.5398	–0.0006
Unit Cell Par. (obs)				Unit Cell Par.[102]	
a = 11.5140 Å				a = 11.531 Å	
V = 1526.425 Å^3				V = 1533.2 Å^3; Z = 8	
				Cubic (*Ia3d*)	

Table 3. The most intensive maxima and the unit cell parameters derived from the X-ray powder diagram of the studied spessartine

h	k	l	d_{obs}	d_{cal}	d_{diff}
0	0	4	2.9175	2.9187	–0.0012
4	0	2	2.6103	2.6106	–0.0003
4	2	2	2.3828	2.3831	–0.0003
1	3	4	2.2892	2.2897	–0.0005
5	1	2	2.1310	2.1315	–0.0005
6	1	1	1.8941	1.8939	0.0002
4	4	4	1.6854	1.6851	0.0003
6	0	4	1.6193	1.6190	0.0003
2	4	6	1.5601	1.5601	0.0000
Unit Cell Par. (obs)				Unit Cell Par.[103]	
a = 11.666 Å				a = 11.612 Å	
V = 1587.707 Å^3				V = 1565.7 Å^3; Z = 8	
				Cubic (*Ia3d*)	

Table 6. The most intense maxima and the crystallographic parameters derived from the X-ray powder diagram of the studied epidote mineral

h	k	l	d_{obs}	d_{cal}	d_{diff}
1	0	–1	7.9376	7.9760	–0.0384
1	0	–2	4.9909	5.0167	–0.0258
2	0	–2	3.9976	3.9880	0.0096
1	0	–3	3.3878	3.3797	0.0081
2	0	1	3.2007	3.2059	–0.0052
1	1	–3	2.8902	2.8962	–0.0060
0	2	0	2.8107	2.8098	0.0009
1	2	0	2.6526	2.6521	0.0005
3	1	–2	2.5948	2.5933	0.0015
2	0	2	2.5270	2.5288	–0.0018
0	2	–2	2.3971	2.3955	0.0016
1	2	–3	2.1610	2.1606	0.0004
2	2	1	2.1136	2.1131	0.0005
4	0	0	2.0064	2.0077	–0.0013
1	1	4	1.8755	1.8754	0.0001
3	1	2	1.8611	1.8604	0.0007
1	0	–6	1.6358	1.6356	0.0002

3	3	–1	1.5782	1.5784	–0.0002
1	1	5	1.5750	1.5750	0.0000
6	0	–5	1.4071	1.4071	0.0000
4	2	2	1.3929	1.3923	0.0006
Unit Cell Par. (obs)				Unit. Cell. Par.[77]	
a = 8.8891 Å				a = 8.980 Å	
b = 5.6152 Å				b = 5.640 Å	
c = 10.1466 Å				c = 10.220 Å	
β = 115.48 º				β = 115.4 º	
V = 457.206 Å^3				V = 467.58 Å^3; Z = 2	
				Monoclinic ($P2_1/m$)	

Table 7. The most intense maxima and the crystallographic parameters derived from the X-ray powder diagram of the studied hemimorphite mineral

h	k	l	d_{obs}	d_{cal}	d_{diff}
1	1	0	6.5961	6.5991	–0.0030
0	2	0	5.3589	5.3613	–0.0024
0	1	1	4.6188	4.6195	–0.0007
2	0	0	4.1862	4.1863	–0.0001
1	3	0	3.2871	3.2872	–0.0001
2	1	1	3.1017	3.1020	–0.0003
0	3	1	2.9301	2.9305	–0.0004
0	4	0	2.6801	2.6807	–0.0006
0	0	2	2.5593	2.5595	–0.0002
3	0	1	2.4500	2.4503	–0.0003
2	3	1	2.4008	2.4007	0.0001
3	2	1	2.2286	2.2286	0.0000
3	3	0	2.1993	2.1997	–0.0004
2	0	2	2.1832	2.1837	–0.0005
4	0	0	2.0933	2.0931	0.0002
1	3	2	2.0205	2.0195	0.0010
0	4	2	1.8510	1.8512	–0.0002
3	4	1	1.8088	1.8086	0.0002
0	6	0	1.7873	1.7871	0.0002
5	3	0	1.5164	1.5163	0.0001
Unit Cell Par. (obs)				Unit. Cell. Par.[77]	
a = 8.3661 Å				a = 8.370 Å	
b = 10.7145 Å				b = 10.719 Å	
c = 5.1150 Å				c = 5.120 Å	
V = 458.50 Å^3				V = 459.36 Å^3; Z = 2	
				Orthorhombic ($Imm2$)	

Table 8. The most intense maxima and the crystallographic parameters derived from the X-ray powder diagram of the studied ilvaite mineral

h	k	l	d_{obs}	d_{cal}	d_{diff}
1	1	0	7.3145	7.3070	0.0075
0	2	0	6.5051	6.5083	–0.0032
1	1	1	4.5707	4.5670	0.0037
2	2	0	4.1856	4.1808	0.0048
1	3	0	3.8918	3.8941	–0.0023
2	1	1	3.4040	3.4015	0.0025
0	4	0	3.2542	3.2542	0.0000
2	3	0	3.0935	3.0945	–0.0010
0	0	2	2.9265	2.9252	0.0013
3	1	0	2.8690	2.8707	–0.0017
0	4	1	2.8461	2.8438	0.0023
1	1	2	2.7154	2.7157	–0.0003
1	2	2	2.5517	2.5541	–0.0024
2	0	2	2.4385	2.4385	0.0000
2	4	1	2.3903	2.3907	–0.0004
1	3	2	2.3391	2.3388	0.0003
Unit Cell Par. (obs)				Unit Cell Par.[77]	
a = 8.8226 Å				a = 8.780 Å	
b = 13.0066 Å				b = 12.990 Å	
c = 5.8460 Å				c = 5.850 Å	
V = 670.844 Å^3				V = 667.21 Å^3; Z = 4	
				Orthorhombic ($Pbnm$)	

Table 10. The most intense maxima and the crystallographic parameters derived from the X-ray powder diagram of studied glaucophane mineral

h	k	l	d_{obs}	d_{cal}	d_{diff}
0	2	0	8.9251	8.9167	0.0084
–1	1	0	8.2670	8.2582	0.0088
–1	1	1	4.8605	4.8591	0.0014
–1	3	1	3.8502	3.8488	0.0014
1	3	1	3.3885	3.3883	0.0002
–2	4	0	3.2198	3.2210	–0.0012
–3	1	0	3.0628	3.0597	0.0031
1	5	1	2.6988	2.6976	0.0012
–2	0	2	2.5258	2.5251	0.0007
–3	5	1	2.2921	2.2919	0.0002
–3	1	2	2.2463	2.2475	–0.0012
2	6	1	2.1502	2.1499	0.0003
2	0	2	2.0621	2.0619	0.0002
3	5	1	2.0018	2.0034	–0.0016
Unit Cell Par. (obs)				Unit Cell Par.[158]	
a = 9.5803 Å				a = 9.541 Å	
b = 17.8197 Å				b = 17.74 Å	
c = 5.3106 Å				c = 5.295 Å	
β = 103.64 º				β = 103.67 º	
V = 881.055 Å^3				V = 870.83 Å^3; Z = 2	
				Monoclinic ($C2/m$)	

Table 11. The most intense maxima and the crystallographic parameters derived from the X-ray powder diagram of studied hornblende mineral

h	k	l	d_{obs}	d_{cal}	d_{diff}
0	2	0	9.0342	9.0237	0.0105
–1	1	0	8.4329	8.4314	0.0015
–1	1	1	4.9089	4.9101	–0.0012
2	0	0	4.7677	4.7680	–0.0003

0	4	0	4.5108	4.5119	–0.0011
0	2	1	4.4504	4.4516	–0.0012
1	1	1	3.9829	3.9835	–0.0006
–1	3	1	3.8934	3.8913	0.0021
0	4	1	3.3847	3.3844	0.0003
1	3	1	3.3797	3.3790	0.0007
–2	4	0	3.2784	3.2772	0.0012
–3	1	0	3.1296	3.1305	–0.0009
2	2	1	2.9374	2.9362	0.0012
–3	3	0	2.8104	2.8105	–0.0001
–3	3	1	2.7475	2.7475	0.0000
1	5	1	2.7031	2.7046	–0.0015
Unit Cell Par. (obs)				Unit Cell Par.[159]	
a = 9.8759 Å				a = 9.887 Å	
b = 18.0337 Å				b = 18.174 Å	
c = 5.3000 Å				c = 5.308 Å	
β = 105.24 º				β = 105.0 º	
V = 910.748 Å^3				V = 921.28 Å^3; Z = 2	
				Monoclinic ($C2/m$)	

Table 12. The most intense maxima and the crystallographic parameters derived from the X-ray powder diagram of studied actinolite mineral

h	k	l	d_{obs}	d_{cal}	d_{diff}
0	2	0	9.0724	9.0542	0.0182
–1	1	0	8.4245	8.4239	0.0006
–1	1	1	4.8846	4.8783	0.0063
0	4	0	4.5234	4.5271	–0.0037
–2	2	0	4.2137	4.2120	0.0017
–1	3	1	3.8836	3.8802	0.0034
0	4	1	3.3872	3.3873	–0.0001
–2	4	0	3.2785	3.2798	–0.0013
–3	1	0	3.1272	3.1245	0.0027
–3	1	0	3.1189	3.1245	–0.0056
–1	5	1	2.9452	2.9461	–0.0009
–3	3	0	2.8078	2.8080	–0.0002
–3	3	1	2.7351	2.7329	0.0022
1	5	1	2.7122	2.7108	0.0014
–2	0	2	2.5346	2.5328	0.0018
–3	5	0	2.3859	2.3862	–0.0003
–3	5	1	2.3390	2.3397	–0.0007
–4	2	0	2.3018	2.3010	0.0008
Unit Cell Par. (obs)				Unit Cell Par.[160]	
a = 9.8301Å				a = 9.84 Å	
b = 18.0945 Å				b = 18.1 Å	
c = 5.2738 Å				c = 5.28 Å	
β = 104.68 º				β = 104.7 º	
V = 907.421 Å^3				V = 909.61 Å^3;Z = 2	
				Monoclinic ($C2/m$)	

Table 13. The most intense maxima and the crystallographic parameters derived from the X–ray powder diagram of studied arfvedsonite mineral

h	k	l	d_{obs}	d_{cal}	d_{diff}
0	2	0	9.0342	9.0182	0.0160
–1	1	0	8.4570	8.4792	–0.0222
0	0	1	5.1642	5.1645	–0.0003
–1	3	0	5.0964	5.0965	–0.0001
2	0	0	4.8035	4.8035	0.0000
0	4	0	4.5086	4.5091	–0.0005
0	2	1	4.4815	4.4817	–0.0002
–2	2	0	4.2402	4.2396	0.0006
1	1	1	4.0510	4.0500	0.0010
–2	0	1	4.0257	4.0258	–0.0001
–1	3	1	3.8800	3.8800	0.0000
1	3	1	3.4192	3.4188	0.0004
0	4	1	3.3961	3.3967	–0.0006
–2	4	0	3.2879	3.2876	0.0003
–3	1	0	3.1534	3.1530	0.0004
–3	1	1	3.0238	3.0236	0.0002
0	6	0	3.0059	3.0061	–0.0002
–2	4	1	3.0029	3.0031	–0.0002
2	2	1	2.9843	2.9847	–0.0004
Unit Cell Par. (obs)				Unit Cell Par.[161]	
a = 9.8818 Å				a = 9.9 Å	
b = 18.0227 Å				b = 18.0 Å	
c = 5.3123 Å				c = 5.3 Å	
β = 103.73 º				β = 104.0 º	
V = 919.089 Å^3				V = 916.41 Å^3; Z = 2	
				Monoclinic ($C2/m$)	