

TABLE 10. NATURAL AND HYPOTHETICAL MEMBERS OF THE CUPROPAVONITE HOMOLOGOUS SERIES

mineral	<sup>N</sup> N <sub>p</sub>	N <sub>1</sub> ,N <sub>2</sub>	formula	Cu	Ag	Pb	Bi	S	total	a (Å)	b (Å)	c (Å)	β (°)	Ref.
cupromakovickyite	4	4,4	Cu <sub>8</sub> Ag <sub>2</sub> Pb <sub>4</sub> Bi <sub>18</sub> S <sub>36</sub>	7.86	3.34	12.81	58.15	17.84	100	13.405	4.016	29.900	99.99	1
cupromakopavonite	4.5	4,5	Cu <sub>8</sub> Ag <sub>3</sub> Pb <sub>4</sub> Bi <sub>19</sub> S <sub>38</sub>	7.42	4.72	12.10	57.97	17.79	100	13.380	4.001	31.080	93.01	2
cupropavonite	5	5,5	Cu <sub>8</sub> Ag <sub>4</sub> Pb <sub>4</sub> Bi <sub>20</sub> S <sub>40</sub>	7.03	5.97	11.46	57.80	17.74	100	13.36	4.04	32.76	93.95	3
cupro <sup>6</sup> P	6	6,6	Cu <sub>8</sub> Ag <sub>6</sub> Pb <sub>4</sub> Bi <sub>22</sub> S <sub>44</sub>	6.36	8.10	10.37	57.52	17.65	100	13.40	4.04	37.50	105.50	2
cupro <sup>7</sup> P	7	7,7	Cu <sub>8</sub> Ag <sub>8</sub> Pb <sub>4</sub> Bi <sub>24</sub> S <sub>48</sub>	5.81	9.86	9.47	57.29	17.58	100	13.250	4.040	40.450	103.20	2
cupro <sup>8</sup> P	8	8,8	Cu <sub>8</sub> Ag <sub>10</sub> Pb <sub>4</sub> Bi <sub>26</sub> S <sub>52</sub>	5.34	11.33	8.71	57.09	17.52	100	13.450	4.060	42.200	93.00	2

1) Topa & Paar (2008), 2) this study, 3) Karup-Møller & Makovicky (1979). Compositions are expressed in wt.%.

Largeur: 34 picas