

Table 6. Bond-valence analysis for rossiantonite (values are expressed in valence units). Deposited.

| Atom | P | S(1) | S(2) | Al(1) | Al(2) | Al(3) | H' | H'' | Σ |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| O1 | 1.289 | | | | | 0.506 | | | 1.795 |
| O2 | 1.300 | | | | 0.602 | | | | 1.902 |
| O3 | 1.221 | | | 0.512 | | | | | 1.733 |
| O4 | 1.300 | | | 0.533 | | | | | 1.833 |
| O5h | | | | 0.483 | 0.537 | | 0.870 | | 1.89 |
| O6w | | | | 0.446 | | | 0.780 | 0.780 | 2.006 |
| O7w | | | | 0.425 | | | 0.830 | 0.730 | 1.985 |
| O8w | | | | 0.455 | | | 0.750 | 0.703 | 1.908 |
| O9w | | | | | 0.469 | | 0.730 | 0.740 | 1.939 |
| O10w | | | | | 0.467 | | 0.790 | 0.782 | 2.039 |
| O11w | | | | | 0.395 | | 0.782 | 0.879 | 2.056 |
| O12w | | | | | 0.429 | | 0.766 | 0.774 | 1.969 |
| O13h | | | | | | 1.104 | 0.810 | | 1.914 |
| O14w | | | | | | 0.467 | 0.734 | 0.825 | 2.026 |
| O15w | | | | | | 0.437 | 0.734 | 0.825 | 1.996 |
| O16w | | | | | | 0.413 | 0.774 | 0.758 | 1.945 |
| O17 | | 1.558 | | | | | | | |
| O18 | | 1.554 | | | | | | | |
| O19 | | 1.533 | | | | | | | |
| O20 | | 1.468 | | | | | | | |
| O21 | | | 1.508 | | | | | | |
| O22 | | | 1.464 | | | | | | |
| O23 | | | 1.488 | | | | | | |
| O24 | | | 1.554 | | | | | | |
| Σ | 5.110 | 6.113 | 6.014 | 2.854 | 2.899 | 2.927 | | | |