

# Cameco Australia Pty. Ltd.

## King River PIMA Analysis: TSG (Spectral Assistant)

| Hole    | Sample        | TSA Error | Crystallinity |         | Chlorite Group |            |            | Kandite Group |           |         | Sericite Group |           |            |        | Others  |        |            |              |         |         |          |                 |
|---------|---------------|-----------|---------------|---------|----------------|------------|------------|---------------|-----------|---------|----------------|-----------|------------|--------|---------|--------|------------|--------------|---------|---------|----------|-----------------|
|         |               |           | Kaol_XT       | AlOH_XT | IntChlorite    | MgChlorite | FeChlorite | Halloysite    | Kaolinite | Dickite | Phengite       | Muscovite | Paragonite | Illite | Biotite | Gypsum | Nontronite | Pyrophyllite | Nacrite | Calcite | Dolomite | Montmorillonite |
| KRR0777 | KRR0777-a0001 |           | 1.014         | 0.241   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0778 | KRR0778-a0001 | 240.272   | 1.016         | 0.659   |                |            |            |               | 0.48      |         |                |           |            |        |         |        |            |              |         |         |          | 0.52            |
| KRR0779 | KRR0779-a0001 | 542.222   | 1.021         | 0.336   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          | 0.718           |
| KRR0780 | KRR0780-a0001 |           | 1.01          | 0.084   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0781 | KRR0781-a0001 | 263.419   | 1.043         | 0.604   |                |            |            |               | 0.478     |         |                |           |            |        |         |        |            |              |         |         |          | 0.522           |
| KRR0782 | KRR0782-a0002 | 32.7      | 1.005         | 0.904   |                |            |            | 0.439         |           |         |                |           |            | 0.561  |         |        |            |              |         |         |          |                 |
| KRR0782 | KRR0782-a0001 | 114.072   | 1.064         | 0.85    |                |            |            | 0.443         |           |         |                |           |            | 0.557  |         |        |            |              |         |         |          |                 |
| KRR0783 | KRR0783-a0001 | 58.593    | 1.043         | 1.38    |                |            |            |               | 0.778     |         |                |           |            |        |         |        |            |              |         |         |          | 0.222           |
| KRR0784 | KRR0784-a0001 | 54.857    | 1.061         | 3.16    |                |            |            |               | 1         |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0785 | KRR0785-a0001 | 170.494   | 1.09          | 0.567   |                |            |            |               | 0.409     |         |                |           |            |        |         |        |            |              |         |         |          | 0.591           |
| KRR0786 | KRR0786-a0001 | 104.055   | 1.045         | 0.868   |                |            |            |               | 0.703     |         |                |           |            |        |         |        | 0.297      |              |         |         |          |                 |
| KRR0787 | KRR0787-a0001 | 138.703   | 1.049         | 0.434   |                |            |            |               | 0.334     |         |                |           |            |        |         |        |            |              |         |         |          | 0.666           |
| KRR0788 | KRR0788-a0001 |           | 1.014         | 0.174   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0789 | KRR0789-a0001 |           | 1.01          | 0.134   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0790 | KRR0790-a0001 |           | 1.078         | 0.364   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0791 | KRR0791-a0001 |           | 1.025         | 0.145   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0792 | KRR0792-a0001 |           | 1.006         | 0.03    |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0793 | KRR0793-a0001 | 452.333   | 1.004         | 0.451   |                |            |            |               | 0.419     |         |                |           |            |        |         |        |            |              |         |         |          | 0.581           |
| KRR0794 | KRR0794-a0001 |           | 0.996         | 0.122   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0795 | KRR0795-a0001 | 425.893   | 1.019         | 0.386   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          | 0.698           |
| KRR0796 | KRR0796-a0001 | 65.289    | 1.065         | 1.8     |                |            |            |               | 0.776     |         |                | 0.224     |            |        |         |        |            |              |         |         |          |                 |
| KRR0797 | KRR0797-a0001 |           | 1.002         | 0.107   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0798 | KRR0798-a0001 | 225.161   | 1.014         | 0.967   |                |            |            | 0.834         |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0799 | KRR0799-a0002 | 45.116    | 1.082         | 0.894   |                |            |            |               | 0.633     |         |                |           |            |        |         |        |            |              |         |         |          | 0.367           |
| KRR0799 | KRR0799-a0001 | 209.436   | 1.059         | 0.905   |                |            |            | 1             |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0800 | KRR0800-a0001 |           | 1.009         | 0.065   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0801 | KRR0801-a0001 | 315.582   | 1.032         | 0.378   |                |            |            | 0.292         |           |         |                |           |            |        |         |        |            |              |         |         |          | 0.708           |
| KRR0802 | KRR0802-a0001 | 77.238    | 1.041         | 0.79    |                |            |            |               | 0.624     |         |                |           |            |        |         |        |            |              |         |         |          | 0.376           |
| KRR0803 | KRR0803-a0001 | 294.99    | 1.004         | 0.352   |                |            |            |               | 0.312     |         |                |           |            |        |         |        |            |              |         |         |          | 0.688           |
| KRR0804 | KRR0804-a0001 |           | 1.015         | 0.344   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0805 | KRR0805-a0001 | 329.034   | 1.015         | 0.41    |                |            |            |               | 0.399     |         |                |           |            |        |         |        |            |              |         |         |          | 0.601           |
| KRR0806 | KRR0806-a0001 | 40.086    | 1.062         | 1.844   |                |            |            | 0.228         | 0.772     |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0807 | KRR0807-a0001 | 88.927    | 1.1           | 1.123   |                |            |            |               | 1         |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0808 | KRR0808-a0001 | 82.893    | 1.085         | 0.846   |                |            |            |               | 0.706     |         |                |           |            |        |         |        |            |              |         |         |          | 0.294           |
| KRR0809 | KRR0809-a0001 | 97.519    | 1.04          | 0.905   |                |            |            |               | 0.622     |         |                |           |            | 0.378  |         |        |            |              |         |         |          |                 |
| KRR0810 | KRR0810-a0001 | 114.457   | 1.054         | 1.105   |                |            |            |               | 0.708     |         |                |           |            |        |         |        |            |              |         |         |          | 0.292           |
| KRR0811 | KRR0811-a0001 | 95.698    | 1.042         | 0.869   |                |            |            |               | 0.68      |         |                |           |            |        |         |        |            |              |         |         |          | 0.32            |
| KRR0812 | KRR0812-a0001 | 47.178    | 1.074         | 1.007   |                |            |            |               | 0.751     |         |                |           |            |        |         |        |            |              |         |         |          | 0.249           |
| KRR0813 | KRR0813-a0001 | 49.381    | 1.045         | 0.976   |                |            |            |               | 0.726     |         |                |           |            |        |         |        |            |              |         |         |          | 0.274           |
| KRR0814 | KRR0814-a0001 | 71.712    | 1.079         | 0.99    |                |            |            |               | 0.764     |         |                |           |            |        |         |        |            |              |         |         |          | 0.236           |
| KRR0815 | KRR0815-a0001 | 208.976   | 1.018         | 0.677   |                |            |            |               | 0.496     |         |                |           |            | 0.504  |         |        |            |              |         |         |          |                 |
| KRR0816 | KRR0816-a0001 | 136.47    | 1.041         | 0.973   |                |            |            |               | 0.782     |         |                |           |            |        |         |        | 0.218      |              |         |         |          |                 |
| KRR0817 | KRR0817-a0001 |           | 1.031         | 0.342   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0818 | KRR0818-a0001 | 85.511    | 1.066         | 0.616   |                |            |            |               | 0.501     |         |                |           |            |        |         |        |            |              |         |         |          | 0.499           |
| KRR0819 | KRR0819-a0001 | 76.452    | 1.056         | 1.033   |                |            |            |               | 0.599     |         | 0.401          |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0819 | KRR0819-a0002 | 35.346    | 1.063         | 2.121   |                |            |            |               | 0.747     |         | 0.253          |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0820 | KRR0820-a0001 | 198.854   | 1.031         | 0.447   |                |            |            |               | 0.35      |         |                |           |            |        |         |        |            |              |         |         |          | 0.65            |
| KRR0821 | KRR0821-a0001 | 491.034   | 1.04          | 0.249   |                |            |            |               |           |         |                |           |            |        |         |        | 0.246      |              |         |         |          | 0.754           |
| KRR0822 | KRR0822-a0001 |           | 1.001         | 0.172   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0823 | KRR0823-a0001 | 406.263   | 1.028         | 0.262   |                |            |            |               |           |         |                |           |            |        |         |        | 0.218      |              |         |         |          | 0.782           |
| KRR0824 | KRR0824-a0001 | 407.572   | 0.991         | 0.382   |                |            |            |               | 0.168     |         |                |           |            |        |         |        |            |              |         |         |          | 0.832           |
| KRR0825 | KRR0825-a0001 | 274.194   | 1.03          | 0.479   |                |            |            |               | 0.384     |         |                |           |            |        |         |        |            |              |         |         |          | 0.616           |
| KRR0826 | KRR0826-a0001 | 121.113   | 1.033         | 0.723   |                |            |            |               | 0.564     |         |                |           |            |        |         |        |            |              |         |         |          | 0.436           |
| KRR0827 | KRR0827-a0001 | 185.219   | 1.016         | 1.165   |                |            |            |               | 1         |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0828 | KRR0828-a0001 |           | 1.023         | 0.075   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0829 | KRR0829-a0001 | 567.784   | 1.007         | 0.563   |                |            |            |               | 0.59      |         |                |           |            |        |         |        | 0.41       |              |         |         |          |                 |
| KRR0830 | KRR0830-a0001 | 101.381   | 1.059         | 1.176   |                |            |            |               | 0.775     |         |                |           |            |        |         |        |            |              |         |         |          | 0.225           |
| KRR0831 | KRR0831-a0001 | 485.076   | 1.005         | 0.375   |                |            |            | 0.47          |           |         |                |           |            |        |         |        | 0.53       |              |         |         |          |                 |
| KRR0832 | KRR0832-a0001 | 320.907   | 0.996         | 0.453   |                |            |            |               | 0.434     |         |                |           |            |        |         |        |            |              |         |         |          | 0.566           |
| KRR0833 | KRR0833-a0001 | 320.907   | 0.996         | 0.453   |                |            |            |               | 0.434     |         |                |           |            |        |         |        |            |              |         |         |          | 0.566           |
| KRR0834 | KRR0834-a0001 |           | 1.02          | 0.128   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0835 | KRR0835-a0001 |           | 1.012         | 0.171   |                |            |            |               |           |         |                |           |            |        |         |        |            |              |         |         |          |                 |
| KRR0836 | KRR0836-a0001 | 503.89    | 1.022         | 0.25    |                |            |            | 0.323         |           |         |                |           |            |        |         |        | 0.677      |              |         |         |          |                 |