## Reference Uranium Ore BL-5

### Certificate of Analysis

<table>
<thead>
<tr>
<th>Consensus Value</th>
<th>95% Confidence Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>U 7.09%</td>
<td>± 0.03%</td>
</tr>
<tr>
<td>Ra-226 857 Bq/g</td>
<td>± 38 Bq/g</td>
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<tr>
<td>Pb-210 866 Bq/g</td>
<td>± 21 Bq/g</td>
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</tbody>
</table>

### Description

BL-5 is a low-grade concentrate from Beaverlodge, Saskatchewan. The major mineralogical components are, in decreasing order of abundance: plagioclase feldspars, hematite, quartz, calcite and dolomite, chlorite and muscovite; uraninite is the main uranium-bearing mineral. The concentrate was dried at 100°C, dry-ground to minus 74 μm, blended, sampled systematically for analysis by X-ray fluorescence and chemical methods to demonstrate homogeneity sufficient for use as a compositional reference material for uranium and bottled in 100-g units. Evidence is available that BL-5 is in secular equilibrium.

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REFERENCE

The preparation and certification procedures used for DL-la are given in CANMET Reports 80-10 "DL-la: A Certified Uranium-Thorium Reference Ore", 83-9E "Radium-226 in Certified Uranium References Ores DL-la, BL-4a, DH-la and BL-5" and 84-11E "Lead-210 in Certified Uranium Reference Ores DL-la, BL-4a, DH-la and BL-5" which are available free of charge on application to:

Coordinator, CCRMP
CANMET
555 Booth Street
Ottawa, Ontario K1A OG1
Canada

This Certificate of Analysis is available in French on request to the Coordinator, CCRMP.