

CANADA CENTRE FOR MINERAL AND ENERGY TECHNOLOGY

REFERENCE URANIUM ORE BL-4a

CERTIFICATE OF ANALYSIS

Recommended Value		Standard Deviation
U	0.1248%	± 0.0007%
Ra-226	15.5 Bq/g	± 0.5 Bq/g*
Pb-210	15.6 Bq/g	± 0.5 Bq/g*

* 95% confidence interval

DESCRIPTION

BL-4a is intended as a replacement for BL-4 of which the stock is exhausted. It is ore typical of the property of Eldorado Nuclear Limited in Beaverlodge, Saskatchewan, and consists of pitchblende in reddish-brown mylonitized oligoclase saturated with dusty hematite.

The bulk material was dry-ground to minus 74 μm , blended in one lot and bottled in 200-g units. The homogeneity of BL-4a for uranium was confirmed by both a neutron activation and fluorimetric procedure performed by two different commercial analytical laboratories.

CERTIFICATION

The recommended value for uranium is the mean of single determinations for each of 25 bottles performed at CANMET by the volumetric-empire method.

INTRODUCTION FOR USE

The recommended value for BL-4a pertains to an "as is" basis.

LEGAL NOTICE

The Canadian Certified Reference Materials Project has prepared this reference material



and statistically evaluated the analytical data to the best of its ability. The Purchaser by receipt hereof releases and indemnifies the Canadian Certified Reference Materials Project from and against all liability and costs arising out of the use of this material and information.

REFERENCE

The preparation and certification procedures used for DL-1a are given in CANMET Reports 80-10 "DL-1a: A Certified Uranium-Thorium Reference Ore", 83-9E "Radium-226 in Certified Uranium Reference Ores DL-1a, BL-4a, DH-1a and BL-5" and 84-11E "Lead-210 in Certified Uranium Reference Ores DL-1a, BL-4a, DH-1a and BL-5" which are available free of charge on application to:

Coordinator, CCRMP

CANMET

555 Booth Street

Ottawa, Ontario K1A 0G1

Canada

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