

SCOPE OF ACCREDITATION

BECQUEREL LABORATORIES INC.
6790 Kitimat Rd Unit 4
Mississauga, ON
L5N 5L9

Accredited Laboratory No. 422

(Conforms with requirements of CAN-P-1579 , CAN-P-1585, CAN-P-4E (ISO/IEC 17025:2005))

CONTACT: Mr. Steven Simpson
TEL: (905) 826-3080
FAX: (905) 826-4151
EMAIL: ssimpson@becquerellabs.com
URL: www.becquerellabs.com

CLIENTS SERVED: All interested parties

FIELDS OF TESTING: Chemical/Physical

PROGRAM SPECIALTY AREA: Environmental, Environmental (OSDWA), Mineral Analysis

ISSUED ON: 2011-11-10

VALID TO: 2013-01-09

ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

Environmental

Water (Radiochemistry)

(Radionuclides by Alpha Spectrometry)

BQ-RAD-ALPHA ALPHA SPECTROMETRY
Polonium-210

Radium-224
Radium-226
Thorium-228
Thorium-230
Thorium-232
Uranium-234
Uranium-235
Uranium-238

(Radionuclides by Gamma Spectrometry)

BQ-RAD-GAMMA

GAMMA SPECTROMETRY

Natural Decay Chain Isotopes which may include
Th-234, Th-230, Ra-226, Pb-210, U-235, Th-227,
Ra-223, Ac-228, Ra-228, Pb-212, Rn-222, Pb-214,
Bi-214
Synthetic Isotopes which may include Cs-137, Cs-134,
I-131, Zn-65, Co-60, Mn-54

(Radionuclides by Gas Flow Proportional Counting)

BQ-RAD-GFPC

GAS FLOW PROPORTIONAL COUNTING

Gross Alpha Activity
Gross Beta Activity
Other radionuclides which may include Lead-210,
Strontium-90

(Radionuclides by Liquid Scintillation Counting)

BQ-RAD-LSC

LIQUID SCINTILLATION COUNTING

which may include Tritium and Carbon-14

(Radon by Electret Ion Chamber)

BQ-RAD-ELECTRET

Electret Ion Chamber Measurement for Radon-222

METALLIC ORES AND PRODUCTS

Concentrates, Metallic Liquors and Other Process Products:

Refer to major sub-heading: **Mineral Analysis Testing**

Mineral Analysis Testing

Ores and Rocks

Mineral Assaying

Soil/Sediment

Precious Metals

BQ-NAA-1

NEUTRON ACTIVATION

Long Lived Isotopes which may include:

Antimony
Arsenic
Barium
Cerium
Cesium
Chromium
Cobalt
Europium
Gold
Hafnium
Iron
Lanthanum
Lutetium
Molybdenum
Neodymium
Nickel
Rubidium
Samarium
Scandium
Selenium
Silver
Sodium
Tantalum
Terbium
Thorium
Titanium
Tungsten
Uranium
Ytterbium
Zinc
Zirconium

BQ-NAA-2

NEUTRON ACTIVATION

Platinum Group Elements with Nickel-Sulphide Fire Assay Pre-Concentration which may include Pt, Pd, Rh, Ir, Os, Ru

BQ-NAA-3

PROMPT GAMMA ACTIVATION Boron by Prompt-Gamma

BQ-NAA-4

NEUTRON ACTIVATION

Short-Lived Elements which may include:
Aluminum

Barium
Bromine
Calcium
Chlorine
Dysprosium
Europium
Fluorine
Indium
Iodine
Magnesium
Manganese
Potassium
Samarium
Sodium
Strontium
Titanium
Vanadium

BQ-NAA-5

DELAYED NEUTRON COUNTING for Uranium and U-235

BQ-RAD-GAMMA

GAMMA SPECTROMETRY in SOLIDS

Natural Decay Chain Isotopes which may include

Th-234, Th-230, Ra-226, Pb-210, U-235, Th-227,
Ra-223, Ac-228, Ra-228, Pb-212, Rn-222, Pb-214,
Bi-214

Synthetic Isotopes which may include Cs-137, Cs-134,
I-131, Zn-65, Co-60, Mn-54

Notes:

CAN-P-4E (ISO/IEC 17025): General Requirements for the Competence of Testing and Calibration Laboratories (ISO/IEC 17025-2005)

CAN-P-1579: Guidelines for the Accreditation of Mineral Analysis Testing Laboratories

CAN-P-1585: Guidelines for Accreditation of Environmental Testing Laboratories

OSDWA: Ontario Safe Drinking Water Analysis

S. Cross, Director, Conformity Assessment

Date: 2011-11-10

Number of Scope Listings: 11

SCC 1003-15/547

Partner File #0

Partner:

MOE License No.: 2244