

SCOPE OF ACCREDITATION

Rio Tinto Alcan Inc. - Centre de recherche et de développement Arvida
TECHNOLOGIES ANALYTIQUES
1955, boul. Mellon C.P. 1250
Jonquière, QC
G7S 4K8

Accredited Laboratory No. 58
(Conforms with requirements of CAN-P-4E (ISO/IEC 17025:2005))

CONTACT: Ms. Josette Ross
TEL: (418) 699 6585 ext. 3688
FAX: (418) 699-2919
EMAIL: josette.ross@riotinto.com

CLIENTS SERVED: Services are provided to companies within the Alcan group and to some private and government agencies.

FIELDS OF TESTING: Chemical/Physical

ISSUED ON: 2010-10-14

VALID TO: 2012-08-08

METALLIC ORES AND PRODUCTS

Metallic Ores:

(Aluminium and its Alloys)

1005 Analyse du magnésium dans les alliages d'aluminium par spectrophotométrie d'absorption atomique

1027 Dosage du bismuth, du nickel et du plomb dans l'aluminium et ses alliages par la technique de spectrophotométrie d'absorption atomique

103 Determination of Silicon in Aluminum and its Alloys
Absorptiometric Molybdate Procedure

1145 Determination of Phosphorus in Aluminum and Certain of Its Alloys - Abbreviated Extraction/Absorptiometric

	Procedure
1257	Détermination des éléments Cu, Fe, Mg, Mn, Ni, Si, Ti, Zn, Cr, Be, Cd, Co, Sr, V, Bi, Ga, Mo, Pb, Sn, Sb et Zr dans l'aluminium et ses alliages par spectrométrie à plasma induit
1304	Analysis of Aluminum and its Alloys by Optical Emission Spectrometry
1343	Détermination du calcium, lithium, sodium dans l'aluminium et ses alliages à basse teneur en silicium par la technique de spectrophotométrie d'absorption atomique.
1350	Détermination du sodium, du lithium et du calcium dans l'aluminium et ses alliages à haute teneur en silicium par les spectrophotométries d'émission atomique et d'absorption atomique.
2006	Determination of Grain Size in Aluminium Ingot and Castings by Macrographic Comparison
2009	Optical Metallographic Evaluation of Inverse Segregation in D.C. Cast Aluminum Ingot
2012	Evaluation of Inclusions in PoDFA Specimens by Optical Microscopy
2014	Evaluation of α and β Al-Fe-Si Constituents in AA6XXX Alloys by Optical Microscopy of Microsections from Extrusion Ingot

(Carboneous Materials)

1247	Determination of Ash in Pitch
1248	Determination of Ash Content in Green Coke, Calcined Coke, Green Anthracite and Anodes
1254	Determination of Carbon, Hydrogen and The C/H Ratio in Pitch
1280	Analyse des éléments en trace dans les échantillons de coke et de brai par ICP.
1356	Determination of Minor and Trace Elements in Pitch by X-ray Fluorescence on Briquetted Powder
313	Détermination de la densité réelle du brai par la méthode au pycnomètre en milieu liquide
319	Determination of Volatile Matter in Petroleum Coke
714	Determination of Viscosity and Equiviscous Temperature of Coal-Tar Pitch using Brookfield Viscosimeter
ASTM D2318	Standard Test Method for Quinoline-Insolubles (QI) Content of Tar and Pitch
ASTM D3104	Standard Test Method for Softening Point of Pitches (Mettler Softening Point Method)
ASTM D4072	Standard Test Method for Toluene-Insoluble (TI) Content of Tar and Pitch
ASTM D4715	Standard Method for The Determination of The Coking Value of Tar and Pitch
ASTM D5003	Standard Test Method for the Hardgrove Grindability Index

ASTM D7454 (HGI) of Petroleum Coke
Semi-Automatic Determination of Vibrated Bulk Density
(VBD) of Petroleum Coke

(Coke)

1016 Analysis of Minor and Trace Elements in Green, Calcinated
and Metallurgical Coke, Anthracite and Graphite by XRF
Using Briquetted Powders
1100 Determination of Crystallinity (Parameter Lc) in anodes and
calcined petroleum coke by X-RAY diffraction -
Calculation of real density (RD) from Lc parameter.

(ENVIRONMENT and INDUSTRIAL HYGIENE)

1190 Determination of Benzene-Soluble Matter (BSM) in
Ambient Air by Microgravimetry on Personal Sampling
Filters
1439 Détermination des hydrocarbures aromatiques
polycycliques (HAP) dans le brai par chromatographie
liquide à haute performance (HPLC) couplée à la détection
par fluorescence.

Notes:

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

S. Cross, Director, Conformity Assessment

Date: 2010-10-14

Number of Scope Listings: 30

SCC 1003-15/97

Partner File #489

Partner: NRC/CLAS