Certificate of Accreditation

Certificat d'accréditation

SCC CCN

Tekna systèmes plasma inc.

2935, boul. Industriel, Sherbrooke (Québec) J1L 2T9

SCC file number: / Dossier du CCN nº : 151279

Initial accreditation date: / Date de la première accreditation :2022-04-29

having been assessed by the Bureau de normalisation du Québec (BNQ), under the authority of the Standards Council of Canada (SCC), and found to conform with the requirements of ISO/IEC 17025:2017 and the conditions for accreditation established by SCC is hereby recognized as an

ACCREDITED TESTING LABORATORY

for the specific tests or types of tests listed in the scope of accreditation approved by SCC and found on the SCC website at www.scc.ca.

BNQ Bureau de normalisation du Québec

ayant fait l'objet d'une évaluation du Bureau de normalisation du Québec (BNQ), sous l'autorité du Conseil canadien des normes (CCN), et ayant été trouvé conforme aux exigences d'ISO/IEC 17025:2017 et aux conditions d'accréditation établies par le CCN, est de ce fait reconnu comme étant un

LABORATOIRE D'ESSAIS ACCRÉDITÉ

pour les essais ou types d'essais énumérés dans la portée d'accréditation approuvée par le CCN et figurant dans le site Web du CCN au www.ccn.ca.

Vice-President – Accreditation Services / Vice-président – Services d'accréditation

Issued on: / Délivré le :2022-04-29

The validity of this certificate, including the date of last re-accreditation and its expiry can be confirmed by the accompanying Scope of Accreditation document in the Directory of Accredited Laboratories on the SCC website at www.scc.ca.

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. The accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF communiqué dated April 2017).

Pour vérifier la validité du présent certificat, y compris la date de la dernière réaccréditation et la date d'expiration du certificat, consulter la portée d'accréditation qui se trouve dans le répertoire des laboratoires accrédités dans le site Web du CCN au www.ccn.ca.

Ce laboratoire est accrédité conformément à la Norme internationale reconnue ISO/IEC 17025:2017. Cette accréditation démontre la compétence technique d'un organisme pour une portée définie et l'exploitation d'un système de management de la qualité de laboratoire (cf. communiqué conjoint ISO-ILAC-IAF date d'avril 2017).

Standards Council of Canada established in 1970 — Conseil canadien des normes créé en 1970

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TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory:	**Tekna Plasma Systems Inc.**
Contact Name:	Jean-François Bérubé
Address:	2935, boul. Industriel, Sherbrooke (Québec) J1L 2T9
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SCC File Number:	151279
Provider:	BNQ-EL
Provider File Number:	61086-1
Accreditation Standard(s):	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Chemical/Physical
Initial Accreditation:	2022-04-29
Most Recent Accreditation:	2023-08-08
Accreditation Valid to:	2026-04-29

Remarque: La présente portée d'accréditation existe également en français, sous la forme d'un document distinct.
Note: This scope of accreditation is also available in French as a separately issued document.

METALLIC ORES AND PRODUCTS

Metallic Ores:

Metal Powders

ASTM B212	Standard Test Method for Apparent Density of Free-Flowing Metal Powders Using the Hall Flowmeter Funnel
ASTM B213	Standard Test Methods for Flow Rate of Metal Powders Using the Hall Flowmeter Funnel
ASTM B214 (Modified)	Standard Test Method for Sieve Analysis of Metal Powders
ASTM B417	Standard Test Method for Apparent Density of Non-Free-Flowing Metal Powders Using the Carney Funnel
ASTM B527	Standard Test Method for Tap Density of Metal Powders and Compounds
ASTM B822	Standard Test Method for Particle Size Distribution of Metal Powders and Related Compounds by Light Scattering
ASTM B964	Standard Test Methods for Flow Rate of Metal Powders Using the Carney Funnel
ASTM D6869 (Modified)	Standard Test Method for Coulometric and Volumetric Determination of Moisture in Plastics Using the Karl Fischer Reaction (the Reaction of Iodine with Water)
ASTM E1409 (Modified)	Standard Test Method for Determination of Oxygen and Nitrogen in Titanium and Titanium Alloys by Inert Gas Fusion
ASTM E1447	Standard Test Method for Determination of Hydrogen in Titanium and Titanium Alloys by Inert Gas Fusion Thermal Conductivity/Infrared Detection Method
ASTM E2371	Standard Test Method for Analysis of Titanium and Titanium Alloys by Direct Current Plasma and Inductively Coupled Plasma Atomic Emission Spectrometry (Performance-Based Test Methodology) (Al, V, Fe, Cu, Sn, Y, B, Co, Cr, Mn, Mo, Nb, Ni, Ta, W, Zr)
ASTM E3061 (Modified)	Standard Test Method for Analysis of Aluminum and Aluminum Alloys by Inductively Coupled Plasma Atomic Emission Spectrometry (Performance Based Method) (Si, Fe, Cu, Mn, Mg, Cr, Ni, Zn, Ti, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Ga, Li, Mo, Na, P, Sb, Sc, Sn, Sr, Tl, V, Zr)
INLAB-113	Analysis of oxygen, hydrogen and nitrogen in aluminum powder (Inert Gas Fusion)
INLAB-160	Microscopy analysis procedure by SEM (Scanning Electron Microscope)
INLAB-171	Composition analysis procedure by EDS (Energy Dispersive Spectrometer)
ISO 13320	Particle size analysis – Laser diffraction methods

Number of Scope Listings: 16

Notes:

ISO/IEC 17025:2017 : General Requirements for the Competence of Testing and Calibration Laboratories

ASTM : ASTM International

ISO : International Standards Organization methods

INLAB : internal method

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at www.scc.ca.

Elias Rafoul
Vice-President, Accreditation Services
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