

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory: Tekna Plasma Systems Inc.

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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:	2024-07-17
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 B923	Standard Test Method for Metal Powder Skeletal Density by Helium or Nitrogen Pycnometry
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 E1941	Standard Test Method for Determination of Carbon in Refractory and Reactive Metals and Their Alloys by Combustion Analysis
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: 18

Notes:

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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