



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

SiPi Metals

1720 N Elston Avenue, Chicago IL 60642

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Chemical Testing *(As detailed in the supplement)*

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Initial Accreditation Date:

January 29, 2016

Issue Date:

January 15, 2020

Expiration Date:

April 30, 2022

Tracy Szerszen
President/Operations Manager

Accreditation No.:

88597

Certificate No.:

L20-50

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjilabs.com



Certificate of Accreditation: Supplement

SiPi Metals

1720 N Elston Avenue, Chicago IL 60642
Contact Name Patrick Biggs Phone: 773-276-0070

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Chemical ^F	Pure Copper	Gravimetric Copper by Electrolytic Plating	SiPi Procedure # 2071, #2067	50 % to 100 % Copper
	Pure Precious Metals (Gold, Palladium, Platinum)	Gold, Palladium, Platinum by ICP-OES	SiPi Procedures #2084, #2085, #2089, #2207, #2208, #2249, #2265	0.004 mg/L to 250 mg/L

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.
2. The Sipi laboratory is accredited to the ISO/IEC 17025:2017 standard. This Accreditation confirms the accuracy of their precious metals analysis to be less than 0.3 relative percent with a coverage factor of 2. This process includes the weighing of samples, the fire assay process, dissolution of the precious metal beads, addition of internal standard, ICP-OES analysis, and statistical review of quality control points and sample result replicates.

