



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Colonial Metals, Inc.

505 Blue Ball Road, Building 70 and 20, Elkton, MD 21921

(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:

Tracy Szerszen
President

Initial Accreditation Date:

June 29, 2020

Issue Date:

October 29, 2022

Expiration Date:

November 30, 2024

Accreditation No.:

108513

Certificate No.:

L22-721

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.pjlabs.com



Certificate of Accreditation: Supplement

Colonial Metals, Inc.

505 Blue Ball Road, Building 70 & 20, Elkton, MD 21921
Contact Name: Mike Russell Phone: 410-398-7200

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	Ruthenium Iridium Rhodium	% Metal Contained in solution or powder	Assay determination of Ruthenium, Iridium, and Rhodium in reagent grade preparations	1 % to 100 %
	Palladium Platinum Gold Silver		Assay determination of Palladium, platinum, gold, and silver in reagent grade preparations	
	Ruthenium Platinum Palladium Rhodium Iridium	% Free Acid in Solution	Free Acid Procedure for Ru, Pt, Pd, Rh, & Ir.	1 % to 99 %
	Ag ₂ SO ₄	Assay ≥ 98.0 %	ACE E11-Assay	1 % to 100 %
		< 0.03 % wt/wt	ACS E11- Substances not precipitated by HCl	0 % to 5 %
	OsO ₄	Solubility Non-volatile matter Heavy metals	USP solubility, non-volatile matter, heavy metals	0 % to 3 %

- 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.