



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Vulcan Threaded Products Inc.
10 Crosscreek Trail, Pelham, AL 35124

(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):

Mechanical 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

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

Initial Accreditation Date:

April 09, 2020

Issue Date:

May 10, 2022

Expiration Date:

July 31, 2024

Accreditation No.:

105214

Certificate No.:

L22-358

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

Vulcan Threaded Products Inc.

10 Crosscreek Trail, Pelham, AL 35124
Contact Name: Ms. Sallie Norwood Phone: 205-620-5100

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 |
|-------------------------|---|--|--|---|
| Mechanical ^F | Steel Rod/Bars, Threaded Fasteners, Washers, Tension Indicators, Rivets | Standard Test Methods for Steel Products, Fasteners, Washers, Tension Indicators, Rivets | ASTM A370 ASTM F606 | |
| | | Tensile, Yield, Elongation | ASTM E8 | Tensile Range Up to 60 000 lbf |
| | | Rockwell Hardness | ASTM E18 | Rockwell A, B, and C Scales |
| | | Brinell Hardness | ASTM E10 | Brinell 10 mm WC ball 3 000/1 500 kg load |
| | | Charpy V-notch Impact Toughness | ASTM E23 | Low Temperature Charpy Impact up to 300 ft lbs. |
| | Steel | Carburization/Decarburization, microstructure characterization | ASTM F2328 optical microscopy | N/A |
| | Steel bars, threaded rod | Carburization/Decarburization | ASTM F2328 Microhardness | 200 HV to 700 HV |

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.