

MATERIALS RESEARCH DIVISION

Modern Industries, Inc.

613 WEST 11th STREET • P.O. BOX 399 ERIE, PENNSYLVANIA 16512-0399 TEL. (814) 455-8061 FAX (814) 451-0686

www.modernind.com

Complete Material Testing and Research Services

TPH-Project Services Certificate of Analysis

Lab ID: M2402809 Sample ID : S-285983

Registered: 03/20/24 4:30:00PM **Received:** 03/20/24 4:30:00PM

Submitter: Outside Customer Purchase Order: VERBAL/TARRANT

Release: Material: Batch Code 1: Batch Code 2:

41 Union Sq W Suite 711

NY 10003 **New York** Attn: Padraig Tarrant

> HT#: #1 Mill/Lot#: 3/18/24

> > Size: 3/4" Tarrant Shackle

Sample Info: Per RR-C-271H Sample Info: Grade B Shackle

Sub. Number: Generic

Sub. Name:

Sample Notes:

Proof Test

Pass

Spec.

Max

Test Method: MRD

PROOF TEST

Component #1

Result

Units

Spec. Min

sample ID Load

30900.0000

lbf

30,800

PASS

Temp.

R.T.

Comments

Pin functional after proof loading.

Aizat Fadhil - Technical Services

3/21/2024

Page 1 of 2 *Note: The recording of false, fictitious, or fraudulent statements or entries on this document may be punishable as a felony under Federal Statute.* The above certification and data are a result of analyses performed on samples and information received from the customer. * This material has not come in direct contact with mercury or any of it's compounds nor any single boundary mercury containing devices. * The above tests were performed in accordance with Our Quality Assurance Program. * Decision Ruler: Simple Acceptance." The governing standard for this job stipulates the test method, and the test method has the Precision and Bias statements included, thus the Measurement Uncertainty in all cases is inherent to the standard. NO WARRANTY as to the suitability of the material and/or process for any amultantionic accurace of criminals."

applications expressed or implied."

If an international standard is not cited within the report for Pass/Fail limits, the customer specification will be found in the header, and the testing limits reported next to the test data."

Elongation measured after fracture

The above signature is a confirmation that the data presented is a true and correct restatement of all or part of the applicable test and order information and is traceable via the MRD Lab ID Number. This document shall not be reproduced except in full without the written approval of MRD



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Sample Notes:

Area

Ultimate Tensile Pull Only (PSI)

Pass

Spec.

Max

Spec.

Min

Test Method: ASTM E8/E8M-24 / ASTM A370-23

Mechanical/Tension Testing of Metallic Materials

Component Result Units Sample ID #1

sq.in. Tensile **PSI**

Load 120300.0 lbf 70,000

Temp. R.T.

Comments Broke at the base of threads on the pin.

Aizat Fadhil - Technical Services

3/21/2024

Page 2 of 2 *Note: The recording of false, fictitious, or fraudulent statements or entries on this document may be punishable as a felony under Federal Statute.* The above certification and data are a result of analyses performed on samples and information received from the customer.* This material has not come in direct contact with mercury or any of it's compounds nor any single boundary mercury containing devices.* The above tests were performed in accordance with Our Quality Assurance Program. Decision Rule: "Simple Acceptance". The governing standard for this job stipulates the test method, and the test method has the Precision and Bias statements included, thus the Measurement Uncertainty in all cases is inherent to the standard. NO WARRANTY as to the suitability of the material and/or process for any amplication; accuracy of the process of the process of the process of the material and/or process for any amplication; accuracy of the process o

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