

CERTIFICATION REPORT

CUSTOMER: **STONE TUCKER INSTRUMENTS** DATE: **10/16/18**

SERIAL NO: **59361** ITEM: **5-STEP BLOCK, INCH** PO NO: **O18101202**

MATERIAL: **1018 STEEL, NICKEL-PLATED** HEAT NO: **L17001959**

APPLICABLE SPECIFICATION: **ASTM E797 FIG. X1.2, U.S. CUSTOMARY BLOCK, INCHES**

MEASURING TECHNIQUE USED: REPLICATION XX DIRECT MEASUREMENT OTHER	NIST TRACEABLE EQUIPMENT USED /TEST NO: VIDEO MEASUREMENT SYS 821/262115-99 DIAL INDICATOR 683/287532-16 MICROMETER 683/287532-16 XX GAGE BLOCKS 683/287532-16
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Manufactured in accordance with Quality Assurance Program Revision 3 dated 8/31/17 that complies with MIL-Q-9858A, 10CFR50 App B, ANSI N45.2, ASME Sec III Div 1 and MIL-I-45208A.

MATERIAL TEST REPORT ATTACHED

STEP No.	STEP THICKNESS ± 0.001"
1	0.100
2	0.200
3	0.300
4	0.400
5	0.500

DIMENSIONS IN INCHES

IT IS CERTIFIED THAT THIS REFERENCE STANDARD HAS BEEN MANUFACTURED IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS AND INSPECTED WITH INSTRUMENTS CALIBRATED IAW MIL-STD-45662 (LATEST REV.), ISO 10012-1 AND ANSI/NCSL Z540-1 USING MASTER GAGE BLOCKS AND MICRORULE MASTER SCALES DIRECTLY TRACEABLE TO THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST).

AUTHORIZED SIGNATURE _____

Philip R. Herman

PHILIP R. HERMAN, QA MANAGER



PH TOOL
REFERENCE STANDARDS
PH TOOL

6021 EASTON ROAD, PIPERSVILLE, PA 18947 USA
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This Certification Report shall not be reproduced except in full, without the written approval of PH TOOL.

Customer Name
PH TOOL COMPANY

Customer PO#
9455

Shipper No
1270473

Heat Number
117001959

3/4" THICK
1018 STEEL
HT# L17001959
TRAFILIX
PA STEEL
PH PO 9455

F. 15x2.25



TRAFILIX S.P.A.
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I-25040 Esine (BS)
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Società associata a direzione
e coordinamento da parte di Lucefin S.p.A.



A05 - Customer: PENNSYLVANIA STEEL COMPANY, INC.		1717 WOODHAVEN DRIVE, P.O. BOX 40		19020 - BEREALEN, PA		U.S.A.		
A02 - Type of inspection document: 2.2 according to EN 10204:2004			A03 - Document number: CRL170007899		A04 - Date of issue: 27/03/2017			
B02 - Grade: 080A16/SAE 1018		B03 - Execution: Cold Drawn		B01 - Section: Flat				
B02 - Standard of reference (edition in force at the date of the order): BS 970-3 ASTM A 29/A 29M								
E03 - Size (mm): 2 1/4" x 3/4"		E04 - Tolerance: ASTM A108-13		E05 - Delivery condition: +C		E06 - Heat treatment: As rolled		
A08 - Material edition designation:		B06 - Weight (kg): 1,924		B10 - Length (mm): 3480/3785				
B07 - Lot/Heat: L17001959		B07 - Batch Number/External Lot: 3068442		C70 - Batching process:				
A09 - Year code: 205537		A10 - Order Confirmation: TRX1703549		A11 - Traded document ID: 2017/02117 of 27/03/2017				
CHEMICAL ANALYSIS								
C%	SI%	Mn%	P%	S%	Cr%	Mo%	Ni%	Al%
0,1690	0,2500	0,8240	0,0090	0,0050	0,1100	0,0340	0,1940	0,0200
Reference mechanical properties of the specimen: - Heat treatment: - Diameter length mm: Tensile test according to standard EN-ISO 6892 * According to the reference standard:								
DIMENSIONS ACCORDING TO STANDARD EN-ISO 6892-1								
E12 -	177							
B15 - Grain Size:	6/7			Norm: EN ISO 643 (6/7)				
B16 - Non metallic inclusions:	Norm:							
Non-destructive tests								
Remarks:								

Country of production: Italy

Z01 - The product supplied complies with the requirements of the order.
This product complies with the directive 2011/65/EU RoHS II
Material not welded
Material free from radioactive contamination

A05 - Responsible for quality control
20/03/2017
[Signature]

PH TOOL
This material used for
Standard no. 59361
Date 10-16-18
QA Approval [Signature]



6021 Easton Road, Pipersville, PA 18947
 TEL: 267-203-1600 FAX: 267-203-1601
 EMAIL: info@phtool.com

Result:

Exact Match: **1018 Steel**

Heat/Lot #: **L17001959**

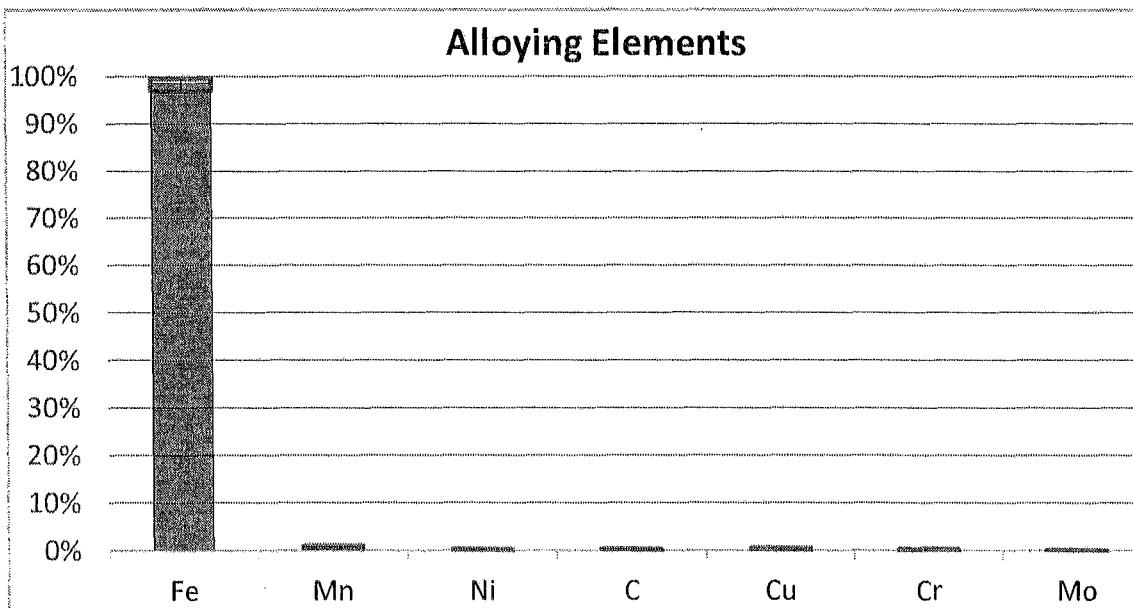
Test Date: 11/15/2017

Equipment: Olympus Delta Professional XRF Analyzer

Operator's Initials: JSB

Equipment Serial No: 540865

Element	Composition (%)	+/- Device Error	Min (%)	Max (%)
Fe	98.49	0.06	97.00	99.50
Mn	0.84	0.04	0.60	0.90
Ni	0.19	0.03	0.00	0.20
C	0.20	Nom	0.15	0.20
Cu	0.15	0.02	0.00	0.50
Cr	0.11	0.02	0.00	0.20
Mo	0.06	0.01	Tramp	0.06



Authorized Signature:

PHILIP R. HERMAN, QA MANAGER