

# CERTIFICATION REPORT

CUSTOMER: **STONE TUCKER INSTRUMENTS**

DATE: **9/24/18**

SERIAL NO: **57036**

ITEM: **5-STEP BLOCK, INCH**

PO NO: **O18092401**

MATERIAL: **1018 STEEL, NICKEL-PLATED**

HEAT NO: **85840**

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**

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 $\pm 0.001$ "
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/NC SL 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, QA MANAGER



**PH TOOL**  
REFERENCE STANDARDS  
**PH TOOL**

6021 EASTON ROAD, PIPERSVILLE, PA 18947 USA  
T: 267-203-1600 · F: 267-203-1601 · www.phtool.com

This Certification Report shall not be reproduced except in full, without the written approval of PH TOOL.

3/4" Thick  
1018 Steel  
Trafilix  
PA Steel  
MT #8584p PA PO # 8788

TRAFFILIX  
RACCOMANDA E DI QUALITÀ



125043 Chivasso Canaro (BS), Italy - Via degli Emigranti, 9  
Tel. +39 0384 367700 Fax. +39 0384 344391  
E-mail info@trafilix.com

TRAFILIX - RELAZIONE  
RETTIFICATI LAMINATI  
RACCOMANDA E DI QUALITÀ

**Attestato di Controllo**  
Werkzeugnis / Test report / Relevé de contrôle  
EN 10204 2.2



N. 008690 del. 16-09-14

**Cliente / Kunde / Customer / Client:**  
PENNSYLVANIA STEEL COMPANY, INC.  
177 WOODHAVEN DRIVE, P.O. BOX 20  
USA-19220 BENSALEM

**Misura / Material / Matière:**

**Norme di Prodotto / Norm / Norms / Norme**

080A15SAE 1018+C COLD DRAWN  
Ord. n. 145301 \* Flat 1 5/8" x 3/4"  
F12x662  
BS 970-3 # ASTM A 108-07 # ASTM A 29-12 Kg. 2.126  
080A15SAE 1018+C COLD DRAWN  
Ord. n. 144617 \* Flat 6" x 3/8"  
F31x600  
BS 970-3 # ASTM A 108-07 # ASTM A 29-12 Kg. 2.040  
080A15SAE 1018+C COLD DRAWN  
Ord. n. 148824 \* Flat 7" x 1/2"  
F50x200  
BS 970-3 # ASTM A 108-07 # ASTM A 29-12 Kg. 1.100  
080A15SAE 1018+C COLD DRAWN  
Ord. n. 151531 \* Flat 12" x 3/4"  
F.75x1200  
BS 970-3 # ASTM A 108-07 # ASTM A 29-12 Kg. 1.958  
080A15SAE 1018+C COLD DRAWN  
Ord. n. 160064 \* Square 1/2" x 1/2"  
S.50x18  
BS 970-3 # ASTM A 108-07 # ASTM A 29-12 Kg. 2.028  
12L14C COLD DRAWN  
Ord. n. 148824 \* Square 5/16"  
S.312x4  
ASTM A 108-07 Kg. 1.013

**Destinazione / Bestimmung / Destination / Destinataire**

**D.d.T. / Lieferchein / Delivery note / Document**

**Data: / Datum / Date / Date**

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Colofa / Designation / Coule		Analisi chimica % - Chemische Zusammensetzung % - Chemical Analysis % - Analyse Chimique %												HB	TOL.
C	0,16	Si	0,22	Mn	0,87	P	0,015	S	0,021	Cr	0,15	Mo	0,02		
TX84310		0,06	0,06	0,06	0,06	0,06	0,06	0,06	0,06	0,06	0,06	0,06	0,06	0,06	0,06
TX85073		0,15	0,20	0,75	0,07	0,007	0,007	0,006	0,006	0,11	0,08	0,04	0,04	0,04	0,04
TX83048		0,15	0,21	0,78	0,07	0,007	0,007	0,006	0,006	0,11	0,08	0,04	0,04	0,04	0,04
TX85640		0,15	0,20	0,83	0,06	0,006	0,006	0,006	0,006	0,11	0,08	0,04	0,04	0,04	0,04
TX84075		0,15	0,21	0,78	0,07	0,007	0,007	0,006	0,006	0,11	0,08	0,04	0,04	0,04	0,04
TX85195		0,03	0,04	1,15	0,052	0,0052	0,0052	0,0052	0,0052	0,11	0,08	0,04	0,04	0,04	0,04

**Note / Remarks / Bemerkungen**

Tolleranze secondo Tolleranze nach/Tolerances according to Tolerances selon EN 10278

N.B. Matériau conforme à l'ordinaire. Il certificato originale è depositato presso i nostri archivi. - Waren entsprechend der Bestellung. Das Originalzeugnis ist bei unserem Archiv verfügbar. - Goods conforming to P.O. Original certificate is available in our files. - Les produits sont conformes à la commande. Le document original est gardé chez nos archives.

Customer Name PH TOOL COMPANY

Customer PO# 8788

Shipper No 772357

Heat Number 85840

Controllo Qualità  
Fabrizio Gaffi

PH TOOL

This material used for

Standard no. 57036

Date 9-24-18

QA Approval



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 #: **85840**

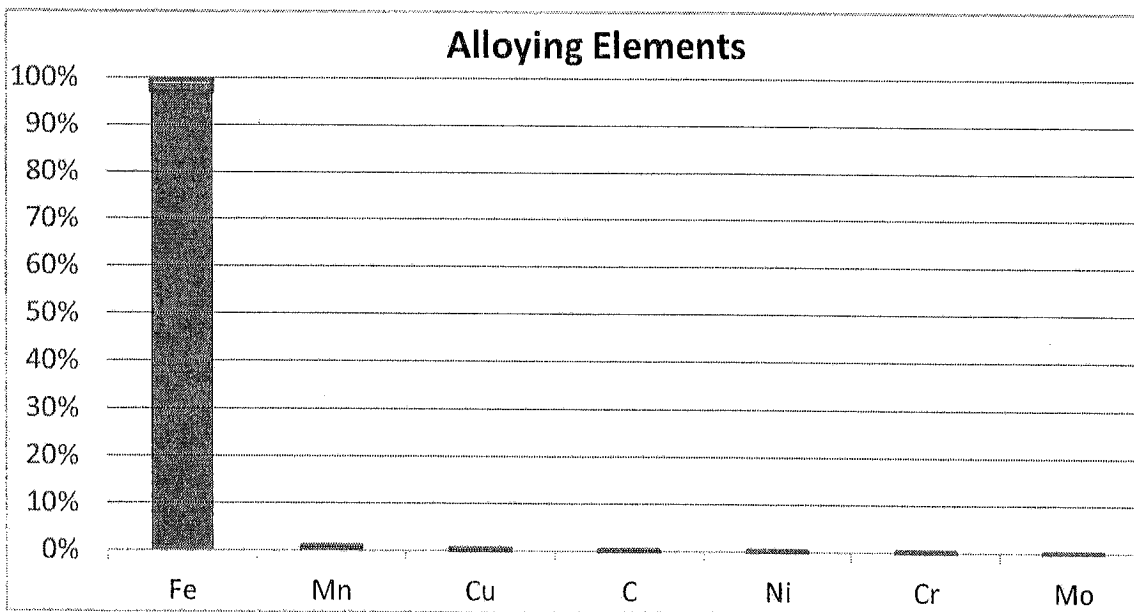
Test Date: 3/3/2016

Equipment: Olympus Delta Professional XRF Analyzer

Operator's Initials: JSB

Equipment Serial No: 540865

Element	Composition (%)	+/- Device Error	Min (%)	Max (%)
Fe	98.54	0.04	97.00	99.50
Mn	0.73	0.03	0.60	0.90
Cu	0.20	0.02	0.00	0.50
C	0.20	Nom	0.15	0.20
Ni	0.17	0.02	0.00	0.20
Cr	0.12	0.01	0.00	0.20
Mo	0.06	0.00	Tramp	0.06



Authorized Signature:

PHILIP R. HERMAN, QA MANAGER