McMASTER-CARR®

Certificate

330-995-5500
330-995-9600 (fax)
cle.sales@mcmaster.com

Purchase Order	Order Date	Placed By	McMaster-Carr Number	Number of Certificates
P1463913	10/10/2022	Jane Beattey	8269929-02	1

Line		Product	Ordered	Status	Certificate
2	8920K804	Low-Carbon Steel Rod, 15/16" Diameter, 3 Feet Long	1 each	1 each delivers October 11	170–3892

Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.

Eaton Steel Bar Company Inspection Certificate 1905936

EN 10204:2004-3.1

Customer	BOL	Ship Date	Customer PO	Item	Customer Item	Item Description
RYERSON CORP	271887	06-Jan-2021	4501062450	1015697 rev 002	162005631	15/16 CD RD 1018QL2 12ft Al/Cb FG MT

All bundles listed below were produced using steel from Heat 20717010 issued by CHARTER STEEL and were completed from Eaton Steel Job 875955.

Chemistry	Description	Value	Units
C	Carbon	0.16	PWGT
Mn	Manganese	0.61	PWGT
P	Phosphorus	0.006	PWGT
S	Sulfur	0.025	PWGT
Si	Silicon	0.20	PWGT
Ni	Nickel	0.04	PWGT
Cr	Chromium	0.05	PWGT
Mo	Molybdenum	0.01	PWGT
Al	Aluminum	0.023	PWGT
Cu	Copper	0.08	PWGT
V	Vanadium	0.001	PWGT
Cb	Columbium	0.001	PWGT
N	Nitrogen	0.0060	PWGT
Ni+Cr+Mo	Element Sum Limit	0.10000	PWGT
Geometry	**Description**	**Value**	**Units**
DIAMETER	Diameter	0.9355 - 0.9375	IN
LENGTH	Length	144.0000 - 145.0000	IN
CF_STRAIGHT	Cold Finished Deflection in 10ft.	0.0000 - 0.0625	IN
Cold Working	**Description**	**Value**	**Units**
SEAM_DEPTH	Allowable Seam Depth	0.0000 - 0.0150	IN
Mill Processing	**Description**	**Value**	**Units**
MELT_COUNTRY	Melted in Country	USA	.
ROLLED_COUNTRY	Rolled in Country	USA	.
ASTM Standard	**Description**	**Value**	**Units**
A29/A29M-16	Steel Bars, Carbon & Alloy, Hot Wrought	CONFORMS	.
A108-18	Steel Bars, CF Carbon & Alloy	CONFORMS	.
Customer Standard	**Description**	**Value**	**Units**
JDM_AO-QL2	John Deere Specification	CONFORMS	.

Tag Number	Qty	Units	Length
001-2820099	4002	LBS	12ft
001-2820113	4112	LBS	12ft
001-2820725	4074	LBS	12ft
001-2820740	4094	LBS	12ft

MAR 0 5 2021

Bundle tags with Eaton Steel identifiers reference the steel grade, heat, purchase order number where applicable, part number, product description and quantity. Material produced in accordance with Eaton Steel's Quality Manual QM-00002 Rev 2 dated 10/15/2018.

We hereby certify the above to be in conformance, and a true copy of data represented in company records. This steel was not subject to weld repair or exposed to mercury while in the possession of Eaton Steel.

Created on 06-Jan-2021
Marc Benjamin, Corporate Metallurgist

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