



Mill Certification

11/21/2024

MTR#: 1824066-3
Lot #: 440003491820
912 Cheney Avenue
Marion, OH 43302 US
800 333-4011
Fax: 740 383-6429

Sold To: MASONRY ACCESSORIES, INC.

Ship To: MASONRY ACCESSORIES, INC.
sales@masonaccess.com

| | | | |
|---------------------------|---|----------------------|----------------|
| Customer PO | D15330 | Sales Order # | 44018998 - 1.1 |
| Product Group | Rebar | Product # | 3058988 |
| Grade | A615 Gr 60/AASHTO M31 | Lot # | 440003491820 |
| Size | #4 | Heat # | 4400034918 |
| BOL # | BOL-1868477 | Load # | 1824066 |
| Description | Rebar #4/13mm A615 Gr 60/AASHTO M31 20' 0" [240"] 2001-6000 lbs | Customer Part # | |
| Production Date | 10/24/2024 | Qty Shipped LBS | 30660 |
| Product Country Of Origin | United States | Qty Shipped EA | 2295 |
| Original Item Description | | Original Item Number | |

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 10/21/2024

Roll Country of Origin : United States

Rolling Date: 10/24/2024

| | | | | | | | | | | |
|--------------|---------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|
| <u>C (%)</u> | <u>Mn (%)</u> | <u>P (%)</u> | <u>S (%)</u> | <u>Si (%)</u> | <u>Ni (%)</u> | <u>Cr (%)</u> | <u>Mo (%)</u> | <u>Cu (%)</u> | <u>V (%)</u> | <u>Sn (%)</u> |
| 0.21 | 0.63 | 0.023 | 0.027 | 0.220 | 0.13 | 0.24 | 0.04 | 0.24 | 0.004 | 0.013 |

Mechanical

| | | |
|-----|--|------------------|
| | Average Deformation Height (IN) | Bend Test |
| (1) | 0.036 | Pass |

Tensile testing

| | | | |
|-----|--------------------|----------------------|---------------------------------|
| | Yield (PSI) | Tensile (PSI) | Elongation in 8" (%) |
| (1) | 84200 | 102000 | 14.9 |

Other Test Results

Tensile / Yield Ratio : 1.21

Weight Percent Variance (%) : -4.34

Comments:

Except where noted, all manufacturing processes for this product, including melting, casting, and rolling, were performed in the USA and comply with 23 CFR 635.410 Buy America requirements (FHWA).

All products produced are weld free. Mercury, in any form, has not been used in the production or testing of this material.

Ryan Pelter, Quality Supervisor