



1945 Airport Road
 Columbus, MS 39701
 Phone: 662-245-4200
 Fax: 662-245-4297

Metallurgical Certification



Order Number: 524160-1
 Order Dimensions: 0.2400 x 72.0000 (in) (NOM)
 Oil Type:

Ordered Product: A786-A1011 CS Typ B - 18a
 PRIME HOT ROLLED BAND

Part Number: HR .2400x72.0000

Customer PO Number: 4882-7
 Load Number: S1323859

Cert Number: 2154174
 Ship Date: 11/29/2022

Chemical Analysis

| Coil Number | Coil Weight | Heat | C | Mn | P | S | Si | Cu | Sn | Ni | Cr | Mo | Al | N | V | Nb | Ti | B | Ca | C(eq) |
|-------------|-------------|---------|-----|-----|------|------|-----|-----|-------|-----|-----|------|------|-------|-------|------|------|-------|-------|-------|
| 22B677357 | 47,880 lb. | A217145 | .06 | .33 | .007 | .003 | .03 | .11 | .0070 | .04 | .08 | .020 | .032 | .0067 | <.001 | .001 | .001 | .0001 | .0016 | .147 |

Test Test 1

| Mechanical Properties | Test | | Test 1 | |
|-----------------------|---------|--------|--------------|--------------|
| | English | Metric | English | Metric |
| Yield Strength | | | Not Reported | Not Reported |
| Tensile Strength | | | Not Reported | Not Reported |
| Elongation | | | Not Reported | Not Reported |
| N-Value | | | Not Reported | Not Reported |
| Hardness - HRBW | | | Not Reported | Not Reported |
| Direction | | | | |
| Gauge Length | | | | |
| Linear Footage | | | 765 ft | 233 m |
| Test Standard | ASTME | | | |
| Actual gauge | | | .2400 in | 6.10 mm |

LO# 40076
 1/4 x 72 FLPL
 Heat# A217145

We hereby certify the above is correct as contained in the records of the company. All tests performed according to ASTM standards: E8, A370, E18, E415, E1019, E646, E517 or JIS Z2241 or ISO 6892 as required. All Heats are Al Killed and Ca Treated. Melted and Manufactured in the USA in compliance to the American Iron and Steel Step Certification, Buy America Act Title 23 CFR § 635.410, and the Buy American Act Title 46 CFR § 381.2 (B) requirements.

Certified by:

G. Traczyk

Greg Traczyk

Certificated Date: 11/29/2022

Hot Mill Metallurgical Engineer