

MILL TEST CERTIFICATE
QUALITY PRODUCT CERTIFICATE

GENERALS:

DATE /TIME: 31/12/19 12:12:09
 CUSTOMER: ACEROS TEPOTZOTLAN, S.A. DE C.
 ORDER : 032680 CONTRAT 2387 REMISION: 0153695-1
 PRODUCT : ROUND-BAR 5/8" 15.87MM STEEL GRADE ASTM A36/A36M-08
 QUANTITY SHIPPED 38.486 TONS
 ESPECIFICATION PRODUCT : A29/A29M-05 SHIPPED : BUCIO
 PRODUCT THEORETICAL WEIGHT: 1.554 KGS/MT LENGTH (MTS) 6.10 FINISHED :

CHEMICAL ANALYSIS:

| HEAT | % P | % S | % Sn | % C | % Cu | % Mo | % Si | % Ni | % Cr | % V | % Mn | % Ti | % Nb |
|--------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|-------|
| 337950 | .0130 | .0130 | .0200 | .2400 | .2800 | .0240 | .210 | .110 | .130 | .001 | .630 | .001 | .0010 |
| 337951 | .0140 | .0170 | .0240 | .1900 | .2900 | .0280 | .230 | .080 | .130 | .001 | .640 | .001 | .0010 |
| 337952 | .0140 | .0290 | .0290 | .1900 | .2500 | .0160 | .200 | .070 | .130 | .001 | .660 | .001 | .0010 |

MECHANICAL AND PHYSICAL PROPERTIES:

| HEAT | YIELD POINT (LB/IN2) | TENSILE STRENGTH (LB/IN2) | ELONGATION (%) (2") | CHARPY V-NOTCH (J) PROMEDIO | CHARPY V-NOTCH (J) | | | CHARPY V-NOTCH TEMP C |
|--------|----------------------------|---------------------------------|---------------------------|-----------------------------------|-----------------------|----|----|-----------------------------|
| | | | | | T1 | T2 | T3 | |
| 337950 | 54,518 | 77,161 | 26 | | | | | |
| 337951 | 50,376 | 72,150 | 27 | | | | | |
| 337952 | 50,744 | 72,550 | 27 | | | | | |

| | CHARPY V-NOTCH (LB/FT) PROMEDIO | | | CHARPY V-NOTCH (LB/FT) | | | CHARPY V-NOTCH TEMP F |
|--------|---------------------------------------|----|----|---------------------------|----|----|-----------------------------|
| | T1 | T2 | T3 | T1 | T2 | T3 | |
| 337950 | | | | | | | |
| 337951 | | | | | | | |
| 337952 | | | | | | | |

BUNDLES BY HEAT

| HEAT | | | | | | | | | | | |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| 337950 | STL04007 | STL04008 | STL04009 | STL04010 | | | | | | | |
| 337951 | STL03975 | STL03982 | STL03983 | STL03984 | STL03985 | STL03986 | STL03987 | STL03988 | STL03989 | STL04005 | |
| 337952 | STL04006 | | | | | | | | | | |

RE3616

00115238

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SHIPPED : BUCIO

PRODUCT THEORETICAL WEIGHT: 1.554 KGS/MT LENGTH (MTS) 6.10

FINISHED :

337952 STL03963 STL03964 STL03965

