

NUCOR STEEL - BERKELEY
 14455 Hagan Avenue
 Ruger, SC 29450
 Phone: (843) 336-6000

CERTIFIED MILL TEST REPORT

12/03/24 22:47:44
 100% EAF MELTED AND MANUFACTURED IN THE USA
 Structural sections produced by Nucor-Berkeley are cast
 and hot rolled to a fully killed and fine grain practice,
 Mercury not intentionally added at any point during manufacturing.

Sold To: SUPERIOR SUPPLY AND STEEL
 PO BOX 2388
 SUIPHUR, IA 70664

Ship To: SUPERIOR SUPPLY & STEEL
 318 CITY SERVICE HIGHWAY
 SUIPHUR, IA 70663

Customer #: 808 - 1
 Customer PO: P025310401
 B.O.I. H...: 1798264
 MOS: 1

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-22 and A370-22. Tested in accordance with EN10204-2004-3.1.

RASTHO : M270-50-23
 ASTM : A992-22/A936-19/A529-19-50/A5725021T1/A7095021
 CSR : G40,2150W

| Description | Heat# | Yield/ Tensile Ratio | Yield (MPa) | Tensile (MPa) | Elong % | C Cr | Mn Mo Ti | P S | Si V N | Cu ND | Ni CI | CE1 CE2 Pcm |
|-------------|---------|----------------------|-------------|---------------|---------|------|-------------------------|-------|--------|-------|-------|--------------|
| W4X13 | 2444470 | .80 | 55900 | 69700 | 25.00 | .07 | .87 | .011 | .019 | .21 | .14 | .07 |
| 040' 00.00' | A992-22 | | 385 | 481 | 24.00 | .07 | .01 | .0062 | .0003 | .002 | .025 | .2848 |
| W100X19.3 | 56000 | .80 | 69900 | 886 | 32 | .07 | .01 | .0062 | .0003 | .002 | .025 | .2848 |
| 012.1920m | 482 | | 386 | 482 | 32 | .07 | .01 | .0062 | .0003 | .002 | .025 | .2848 |
| | | | | | | | Customer PO: P025310401 | | | | | BoH: 1798264 |
| W5X16 | 1404747 | .83 | 56300 | 67500 | 26.00 | .07 | .81 | .008 | .013 | .19 | .09 | .03 |
| 020' 00.00' | A992-22 | | 388 | 465 | 26.00 | .05 | .00 | .0047 | .0002 | .002 | .027 | .22 |
| W130X23.8 | 55000 | .82 | 66900 | 861 | 9 | .05 | .001 | .0047 | .0002 | .002 | .027 | .2575 |
| 006.0960m | 461 | | 379 | 461 | 9 | .05 | .001 | .0047 | .0002 | .002 | .027 | .2575 |
| | | | | | | | Customer PO: P025310401 | | | | | BoH: 1798264 |
| W5X16 | 2404749 | .83 | 59200 | 71300 | 28.00 | .07 | .90 | .013 | .010 | .21 | .14 | .26 |
| 020' 00.00' | A992-22 | | 408 | 492 | 26.00 | .18 | .01 | .0059 | .0002 | .002 | .027 | .29 |
| W130X23.8 | 57800 | .82 | 70100 | 861 | 3 | .18 | .001 | .0059 | .0002 | .002 | .027 | .3253 |
| 006.0960m | 483 | | 399 | 483 | 3 | .18 | .001 | .0059 | .0002 | .002 | .027 | .3253 |
| | | | | | | | Customer PO: P025310401 | | | | | BoH: 1798264 |

Elongation based on 8" (20.32cm) gauge length. 'No Weld Repair' was performed. "All mechanical testing is performed by the Quality CI = 26.01Cu+3.88Ni+1.20Cr+1.49Si+17.28P-(7.29CuXNi)-(9.10NiXP)-33.39(CuXCu) testing lab, which is independent of the production Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B department's"
 CE1 = C+(Mn/6)+((Cr+Mo+V)/5)+((Ni+Cu)/15)
 CE2 = C+((Mn+Si)/6)+((Cr+Mo+V+Cb)/5)+((Ni+Cu)/15)

Nucor certifies that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with material specifications, and when designated by the purchaser, meet applicable specifications.

Emma Summers
 Metallurgist /
 Quality Control



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 B.O.I. #: 1798264

SULPHUR, IA 70664

SULPHUR, IA 70663

MOS: I

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-22 and A370-22. Tested in accordance with EN10204-2004-3.1.
 Quality Manual Rev #19 (11-30-22).

RASTD0 : M270-50-23
 ASTM : A992-22;A36-19/A529-19-50/A5725021T1/A7095021
 CSA : G40.2150WM

| Part # | Description | Heat Grade(s) | Test/Heat JW | Yield Ratio | Yield (PSI) | Tensile (PSI) | Elong % | C Cr | Mn | Mo | P | S | Si | Cu | Ni | CE1 |
|-----------|-------------|---------------|--------------|-------------|-------------|---------------|----------|-----------|-------------------------|--------------|-------|-------|-------|------|------|-------|
| W6X15 | 020' 00.00' | A992-22 | | .86 | 63600 | 73700 | 26.00 | .07 | 1.09 | .02 | .010 | .021 | .25 | .18 | .10 | .29 |
| W150X22.5 | 006.0960m | A992-22 | | .86 | 62800 | 73200 | 25.00 | .07 | .02 | .001 | .0079 | .0004 | .0039 | .032 | 4.44 | .3343 |
| | | | | | 433 | 505 | 4 Pc(s) | 1,200 lbs | Customer PO: P025310401 | BoH: 1798264 | | | | | | .1492 |
| W6X15 | 020' 00.00' | A992-22 | | .85 | 59900 | 70300 | 24.00 | .07 | 1.07 | .01 | .010 | .023 | .23 | .15 | .08 | .27 |
| W150X22.5 | 006.0960m | A992-22 | | .84 | 58700 | 69800 | 25.00 | .06 | .001 | .001 | .0076 | .0004 | .0054 | .029 | 3.92 | .3169 |
| | | | | | 405 | 481 | 14 Pc(s) | 4,200 lbs | Customer PO: P025310401 | BoH: 1798264 | | | | | | .1408 |
| W6X25 | 020' 00.00' | A992-22 | | .80 | 55800 | 69600 | 27.00 | .07 | 1.06 | .01 | .011 | .019 | .25 | .12 | .05 | .27 |
| W150X37.1 | 006.0960m | A992-22 | | .82 | 57000 | 69900 | 26.00 | .06 | .001 | .001 | .0062 | .0003 | .0071 | .030 | 3.37 | .3162 |
| | | | | | 393 | 482 | 11 Pc(s) | 5,500 lbs | Customer PO: P025310401 | BoH: 1798264 | | | | | | .1413 |

Elongation based on 8" (20.32cm) gauge length. 'No Weld Repair' was performed. "All mechanical testing is performed by the Quality
 CI = 26.01(Cu+3.88Ni+1.20Cr+1.49Si+17.28P-(7.29Cu+Ni)-(9.10Ni+P))-33.39(Cu+Cu) testing lab, which is independent of the production
 Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B departments"
 CE1 = C+(Mn/6)+((Cr+Mo+V)/5)+(Ni+Cu)/15)
 CE2 = C+((Mn+Si)/6)+((Cr+Mo+V+Cb)/5)+((Ni+Cu)/15)

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RASTRO : M270-50-23
 ASTM : A992-22/A36-19/A529-19-50/A5725021T1/A7095021
 CSA : G40.2150WM

| Description | Heat | Yield/Tensile Ratio | Yield (PSI) | Tensile (MPa) | Elong % | C | Cr | Mn | Mo | P | S | Si | Cu | Ni | CE1 |
|-------------|---------|---------------------|-------------------------|---------------|---------|-------------------------|-----|--------------|------|-------|-------|-------|------|-----|-------|
| W6X25 | 2414753 | .80 | 56200 | 70300 | 27.00 | .07 | .13 | 1.03 | .06 | .012 | .023 | .26 | .27 | .16 | .27 |
| 020' 00.00' | A992-22 | | 387 | 485 | | .06 | .13 | .01 | .001 | .0061 | .0005 | .0068 | .031 | .18 | .3220 |
| W150X37.1 | | .82 | 57300 | 70100 | 26.00 | .07 | .13 | 1.03 | .06 | .012 | .023 | .26 | .27 | .16 | .27 |
| 006.0960M | | | 395 | 483 | | .07 | .13 | 1.03 | .06 | .012 | .023 | .26 | .27 | .16 | .27 |
| | | | Customer PO: P025310401 | | | Customer PO: P025310401 | | BoH: 1798264 | | | | | | | |
| W8X24 | 2415763 | .78 | 59000 | 75800 | 25.00 | .07 | .13 | 1.03 | .06 | .012 | .023 | .26 | .27 | .16 | .27 |
| 020' 00.00' | A992-22 | | 407 | 523 | | .07 | .13 | .06 | .001 | .0150 | .0003 | .005 | .028 | .16 | .31 |
| W200X35.9 | | .77 | 59000 | 76200 | 24.00 | .07 | .13 | 1.03 | .06 | .012 | .023 | .26 | .27 | .16 | .27 |
| 006.0960M | | | 407 | 525 | | .07 | .13 | 1.03 | .06 | .012 | .023 | .26 | .27 | .16 | .27 |
| | | | Customer PO: P025310401 | | | Customer PO: P025310401 | | BoH: 1798264 | | | | | | | |

8 Heat(s) for this MTR.

Elongation based on 8" (20.32cm) gauge length. 'No Weld Repair' was performed.
 CI = 26.01Cu+3.88Ni+1.20Cr+1.49Si+17.28P-(7.29CuXNi)-(9.10NiXP)-33.39(CuXCu)
 Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
 CE1 = C+(Mn/5)+((Cr+Mo+V)/5)+((Ni+Cu)/15)
 CE2 = C+(Mn+Si)/6)+((Cr+Mo+V+Cb)/5)+((Ni+Cu)/15)

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