

**Sold By:**  
**NUCOR TUBULAR PRODUCTS INC.**  
CHICAGO DIVISION  
6226 W 74TH STREET  
CHICAGO, IL 60638  
Tel: 708 496-0380  
Fax: 708 563-1950

Purchase Order No: 4500545598  
Sales Order No: CHI 326165 - 1  
Bill of Lading No: CHI 196777 - 1  
Invoice No:

Shipped: 2/18/2023  
Invoiced:

**CERTIFICATE of ANALYSIS and TESTS**

Customer Part No:

Certificate No: CHI 935551

Test Date: 2/14/2023

**TUBING A500 GRADE B(C)**  
**6" X 3" X 3/16" X 20'**

Total Pieces 30  
Total Weight Lbs 6,420

| Bundle Tag | Mill | Heat   | Specs                        | Y/T Ratio | Pieces | Weight Lbs |
|------------|------|--------|------------------------------|-----------|--------|------------|
| 661088     | 4N   | 230014 | YLD=50091/TEN=70023/ELG=34.5 | 0.7154    | 15     | 3,210      |
| 661089     | 4N   | 230014 | YLD=50091/TEN=70023/ELG=34.5 | 0.7154    | 15     | 3,210      |

Mill #: 4N Heat #: 230014 Carbon Eq: 0.3168 Heat Src Origin: MELTED AND MANUFACTURED IN THE USA

| C      | Mn     | P      | S      | Si     | Al     | Cu     | Cr     | Mo     | V      | Ni     | Nb     | Sn     |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.1900 | 0.5700 | 0.0130 | 0.0050 | 0.0250 | 0.0310 | 0.0920 | 0.0900 | 0.0210 | 0.0030 | 0.0430 | 0.0010 | 0.0040 |

| N      | B      | Ti     | Sb     |
|--------|--------|--------|--------|
| 0.0050 | 0.0000 | 0.0020 | 0.0000 |

**Certification:**

I certify that the above results are a true and correct copy of records prepared and maintained by NUCOR TUBULAR PRODUCTS INC. Sworn this day, 2/14/2023.

THE SPECIFICATIONS LISTED BELOW REPRESENT THE CURRENT ISSUED DATES OF THESE STANDARDS. THIS DOES NOT INDICATE THAT THE MATERIAL ABOVE CONFORMS TO EACH OR ALL OF THE STANDARDS. WE CERTIFY THE MATERIAL ABOVE TO THE SPECIFICATION LISTED IN THE LINE DESCRIPTION.

**CURRENT STANDARDS:**

A252-19  
A500/A500M-21  
A513/A513M-21  
ASTM A53/A53M-20| ASME SA-53/SA-53M-21  
A847/A847M-14  
A1085/A1085M-15  
IN COMPLIANCE WITH EN 10204 SECTION 4.1  
INSPECTION CERTIFICATE TYPE 3.1



**Dawn Gowder**  
Quality Supervisor NTP North