

**Sold By:**  
**NUCOR TUBULAR PRODUCTS INC.**  
DECATUR DIVISION  
2000 INDEPENDENCE AVENUE N.W.  
DECATUR, AL 35601  
Tel: 256 306-6200  
Fax: 256 340-7415

Purchase Order No: 4500558208  
Sales Order No: DCR 172504 - 1  
Bill of Lading No: DCR 123862 - 1  
Invoice No:

Shipped: 8/30/2023  
Invoiced:

**CERTIFICATE of ANALYSIS and TESTS**

Certificate No: DCR 53295

Customer Part No:

Test Date: 8/28/2023

**TUBING A500 GRADE B(C)**  
**5" X 3" X 1/4" X 20'**

Total Pieces 20  
Total Weight Lbs 4,884

Bundle Tag	Mill	Heat	Specs	Y/T Ratio	Pieces	Weight Lbs
255030	40N	NN3228	YLD=67800/TEN=81400/ELG=31.5	0.8329	20	4,884

**Impact Test Results**

Grade	Sample (mm) D x L x W : notch	Test Requirements		Absorbed Energy			Avg.	Pass/Fail
		Force	Temperature	CVN1	CVN2	CVN3		
A500	10 x 55 x 5 : 2	25 ft/lbs 34 Joules	+40 °F +4 °C	60 ft/lbs 81 Joules	61 ft/lbs 83 Joules	62 ft/lbs 84 Joules	61 ft/lbs 83 Joules	Pass

Mill #: 40N Heat #: NN3228 Carbon Eq: 0.3655 Heat Src Origin: MELTED AND MANUFACTURED IN THE USA

C	Mn	P	S	Si	Al	Cu	Cr	Mo	V	Ni	Nb	Cb
0.2100	0.7800	0.0070	0.0010	0.1620	0.0280	0.1200	0.0600	0.0100	0.0040	0.0400	0.0010	0.0010

Sn	N	B	Ti	Ca
0.0020	0.0055	0.0005	0.0010	0.0018

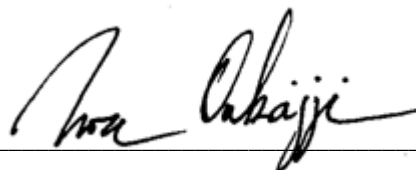
**Certification:**

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, 8/28/2023.

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



**Nora Oukajji**  
Metallurgist/Quality Supervisor