

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: 4500548348
Sales Order No: DCR 165202 - 1
Bill of Lading No: DCR 119024 - 1
Invoice No:

Shipped: 3/31/2023
Invoiced:

CERTIFICATE of ANALYSIS and TESTS

Customer Part No:

Certificate No: DCR 965337

Test Date: 3/28/2023

TUBING A500 GRADE B(C)
6" SQ X 1/2" X 40'

Total Pieces Total Weight Lbs
12 16,916

Bundle Tag	Mill	Heat	Specs	Y/T Ratio	Pieces	Weight Lbs
236543	40N	NN1621	YLD=72600/TEN=84600/ELG=28	0.8582	6	8,458
236544	40N	SN2130	YLD=75700/TEN=82500/ELG=31.5	0.9176	6	8,458

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 10 : 2	25 ft/lbs	+40 °F	300 ft/lbs	300 ft/lbs	268 ft/lbs	289 ft/lbs	Pass
		34 Joules	+4 °C	407 Joules	407 Joules	363 Joules	392 Joules	

Mill #: 40N Heat #: NN1621 Carbon Eq: 0.2914 Heat Src Origin: MELTED AND MANUFACTURED IN THE USA

C	Mn	P	S	Si	Al	Cu	Cr	Mo	V	Ni	Nb	Cb
0.2000	0.4100	0.0060	0.0020	0.0230	0.0320	0.1200	0.0500	0.0100	0.0020	0.0400	0.0060	0.0060
Sn	N	B	Ti	Ca								
0.0020	0.0069	0.0001	0.0010	0.0017								

Mill #: 40N Heat #: SN2130 Carbon Eq: 0.2913 Heat Src Origin: MELTED AND MANUFACTURED IN THE USA

C	Mn	P	S	Si	Al	Cu	Cr	Mo	V	Ni	Nb	Cb
0.2000	0.4200	0.0040	0.0000	0.0300	0.0290	0.1300	0.0400	0.0100	0.0030	0.0300	0.0060	0.0060
Sn	N	B	Ti	Ca								
0.0020	0.0064	0.0001	0.0010	0.0015								

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, 3/28/2023.

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