Nova Tube Ohio
8641 County Road H
Delta OH 43515
Tel : (419) 822-9716

NHO NOVA STEEL OHIO

Test Certificate

SHIP TO

ST000000 STEEL AND PIPE SUPPLY
[illegible] Gibson Rd.
Catoosa Oklahoma 74015-3033
[illegible]

SOLD TO

Steel and Pipe Supply
[illegible]
[illegible] 4500[illegible] [illegible]

2024-[illegible]-19
[illegible]

Description	Dimensions	PCS	HEAT#	Specifications
[illegible] Forge 1	3.000 X 2.000 X 0.250 X 480.000	40	41[illegible]6153	ASTM A500-21 GRADE B[illegible]
[illegible]	6.000 X 6.000 X 0.500 X 288.000	[illegible]	[illegible]	ASTM A500-21 GRADE B[illegible]
[illegible] Forge 1	2.500 X 2.500 X 0.250 X 480.000	[illegible]	[illegible]	ASTM A500-21 GRADE B[illegible]
[illegible] Forge 1	2.500 X 2.500 X 0.250 X 288.000	[illegible]	[illegible]	ASTM A500-21 GRADE B[illegible]
[illegible] Cold Forge	6.000 X 6.000 X 0.500 X 288.000	[illegible]	9531[illegible]02	ASTM A500-21 GRADE B[illegible]

CHEMICAL ANALYSIS

HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
[illegible]	0.210	0.7800	0.009	0.0010	0.002	0.020	0.0400	0.010	0.0500		0.001	0.0100	0.0010	0.046		0.005	0.006	[illegible]	[illegible]
[illegible]	0.207	0.8510	0.009	0.0050	0.002	0.015	0.0140	0.005	0.0350	0.0000	0.005	0.0090	0.0000	0.056	0.002	0.003	0.001	[illegible]	[illegible]
[illegible]	0.200	0.8300	0.006	[illegible]	[illegible]	0.016	0.0300	0.010	0.0450		[illegible]	0.0100	0.0010	0.043		0.004	[illegible]	[illegible]	[illegible]
[illegible]	0.210	0.8300	0.005	0.0070	0.000	0.010	0.0400	0.010	0.0400		0.001	0.0100	0.0010	0.055		0.004	0.002	[illegible]	[illegible]
[illegible]	0.210	0.8720	0.008	0.0060	0.000	0.017	0.0140	0.005	0.0310	0.0000	0.004	0.0080	0.0010	0.055	0.000	0.003	0.001	0.0000	0.0010

TENSILE TEST RESULTS

HEAT#		PRODUCT / SIZE	UOM	Yield	Tensile	Elong.%
[illegible]	HSS	2.500 X 2.500 X 0.250 X 480.000	PSI	61400	[illegible]	[illegible]
[illegible]	HSS	6.000 X 6.000 X 0.500 X 288.000	PSI	[illegible]	[illegible]	[illegible]
[illegible]	HSS	6.000 X 6.000 X 0.500 X 288.000	PSI	[illegible]	[illegible]	[illegible]
[illegible]	HSS	2.500 X 2.500 X 0.250 X 288.000	PSI	62600	[illegible]	[illegible]
[illegible]	HSR	3.000 X 2.000 X 0.250 X 480.000	PSI	64000	74400	[illegible]

HEAT#	Country of Origin	Country of Melt and Pour
[illegible]	United States	United States
[illegible]	United States	United States
[illegible]	United States	United States
[illegible]	United States	United States

Authorized by the department of quality control

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NHO NOVA STEEL OHIO

Test Certificate

[illegible]

[illegible] Fort Gibson Rd.
Catoosa Oklahoma 74015-3033
[illegible] Status

[illegible]

Steel and Pipe Supply

2023-12-19

[illegible]

Description	Dimensions	PCS	HEAT#	Specifications
[illegible] Cold Formed	3.000 X 2.000 X 0.250 X 480.000	[illegible]	[illegible]	ASTM A500-21 GRADE [illegible]
[illegible]	6.000 X 6.000 X 0.500 X 288.000	[illegible]	[illegible]	ASTM A500-21 GRADE [illegible]
[illegible] Formed	2.500 X 2.500 X 0.250 X 480.000	[illegible]	[illegible]	ASTM A500-21 GRADE [illegible]
[illegible]	2.500 X 2.500 X 0.250 X 288.000	[illegible]	[illegible]	ASTM A500-21 GRADE [illegible]
[illegible] Formed	3.000 X 2.000 X 0.250 X 288.000	[illegible]	[illegible]	ASTM A500-21 GRADE [illegible]

CHEMICAL ANALYSIS

HEAT#	C	Mn	P	S	Ca	Si	Cu	Ni	Cr	Zr	Cb	Mo	V	Al	Zn	N	Sn	B	Ti
[illegible]	0.210	0.7800	0.009	0.0010	0.002	0.020	0.0400	0.010	0.0500		0.001	0.0100	0.0010	0.046		0.005	0.006	[illegible]	[illegible]
[illegible]	0.207	0.8810	0.009	[illegible]	[illegible]	0.015	[illegible]	0.005	0.0360	[illegible]	[illegible]	0.0090	0.0000	0.056	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0.200	[illegible]	0.009	[illegible]	[illegible]	0.010	[illegible]	0.010	0.0400		[illegible]	0.0100	0.0010	[illegible]		0.004	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	0.005	[illegible]	[illegible]	[illegible]	0.0400	0.010	0.0400		[illegible]	0.0100	0.0010	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0.210	0.8720	0.008	[illegible]	[illegible]	0.017	[illegible]	0.006	0.0310	[illegible]	0.004	0.0080	0.0010	0.055	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

MECHANICAL PROPERTIES

HEAT#	PRODUCT / SIZE	UOM	Yield	Tensile	Elong %
[illegible]	HSS 2.500 X 2.500 X 0.250 X 480.000	PSI	64400	74900	[illegible]
[illegible]	HSS 6.000 X 6.000 X 0.500 X 288.000	PSI	[illegible]	[illegible]	[illegible]
[illegible]	HSS 6.000 X 6.000 X 0.500 X 288.000	PSI	[illegible]	[illegible]	[illegible]
[illegible]	HSS 2.500 X 2.500 X 0.250 X 288.000	PSI	[illegible]	[illegible]	[illegible]
[illegible]	HSS 3.000 X 2.000 X 0.250 X 480.000	PSI	[illegible]	74400	[illegible]

HEAT#	Country of Origin	Country of Melt and Pour
[illegible]	United States	United States
[illegible]	United States	United States
[illegible]	United States	United States
[illegible]	United States	United States

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