



Steel Dynamics Southwest, LLC
8534 Hwy 89
Sinton, TX 78387 United States
Telephone (361) 424-6200

Metallurgical Certification

Cert # 306251 - Cert Date : 12/30/2024 01:24



01-29-2025 12:20 Load - 4671967
Superior Supply & Steel Co.
Cust. PO - P0254514-01

BL - 81131039 Heat - B2453020
Order - 24160806

blr466

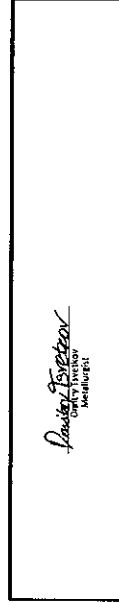
Ship To		Contact		Coil # 248283073	Coil Alias
Sold To		Contact		Order # 124199	Heat # B2453020
Length	1,135ft	Width	48.0000in	Line Item # 5	PO # HTX-7988533 - 5
Weight (A)	45,680lb 20,720.1241 kg	Gauge	0.2400in Min	Part #	
		Chem Treat		Alt Part #	
		Oiled	No	Material Spec.	ASTM A1018 SS GR 36 TYPE 2 - 23a
			No	Product Desc.	Prime Hot Rolled Band
				Cert Comment	Suitable for conv to ASTM A36, A709 Gr36, ASME SA-36. Meets chemistry, additional testing required. AI-killed Fine GP - Elong 2 one
				Surface Treatment	

Ladle Chemical Analysis (%)

C	Mn	P	S	Si	Al	Cu	Ni	Cr	Mo	Sn	N	V	Nb	Ti	B	Ca	Pb
0.22	0.43	0.007	0.001	0.02	0.031	0.11	0.07	0.06	0.00	0.003	0.008	0.003	0.000	0.001	0.0000	0.002	0.000

Mechanical Properties (if applicable)

Sample 1	English	Metric
Sample Location	Tail	
Tensile Direction	Transverse	
Testing Standard	ASTM	
Cert Mode	Heat	
Yield Strength	52.3 KSI	360.6 MPa
Tensile Strength	73.0 KSI	503.3 MPa
Total Elongation	26 %	



Shipped From Sinton, TX, United States

Melted, poured, thin slab cast and rolled by proud Americans in Sinton, TX, United States

SDI does not weld or repair Prime Hot Rolled Band Products.

All tests were performed according to applicable standards and are correct as contained in the records of the company.



Kloekner Metals Corporation

Kloekner Metals Corp - HTX
7400 Mesa Drive
Houston, TX 77028, United States
(713) 633-7400
CBoehme@kloeknermetals.com
January 29, 2025

Material Certifications for Shipment

Bl Num: 81131039

Customer

Ship To

Sulphur, LA 70664

Houston, TX 77028-3522

Orders

Order No	GA Ord	Width	Length	Description/Part Number	Grade
24160806-2		48.000	96.000	Strip Mill Plate 1/4	ASTM A36

Cust PO: P0254514-01

Heat: B2453020

Mill ID: 24B283073

Vendor: STEEL DYNAMICS SOUTHWEST, LLC

Certification # 7340546

Issue Date: 13-JAN-25

Carbon Equivalent: .31

Chemical Properties

C	Mn	P	S	Si	Al	B	Ca	Cr	Cu	Mo
.22	.43	.007	.001	.02	.031	.0000	.002	.06	.11	.0000
N	Nb	Ni	Pb	Sn	Ti	V				
.008	.0000	.07	.0000	.003	.001	.003				

Physical Properties

Property	YIELD	TENSILE
Mill Test		
Internal Test Head		
Internal Test Middle		
Internal Test Tail		

Charpy Properties

Property	CHARPY SAMPLE	IMPACT FT-LBS1	IMPACT FT-LBS2	IMPACT FT-LBS3	AVG FT- LBS
Value					
Internal Test Head					
Internal Test Middle					
Internal Test Tail					

Electrical Properties

We certify that the listed information is correct as contained in the records of the company and that all results meet the requirements of the specification cited above. All ASME Section II Part A specifications are 2021 Edition. All Charpy tests are at -20 F unless otherwise indicated.

