



# Metallurgical Certification

Cert # 88224 - Cert/Ship Date : 1/19/2023

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



Coil #	238151893	Coil Alias	
Order #	104927	Heat #	B2302030
Line Item #	4	PO #	25.738 - 4
Part #			
Alt Part #			
Material Spec.	ASTM A1011 SS GR 33 - 18a		
Product Desc.	Prime Hot Rolled Band		
Cert Comment			
Surface Treatment			

<u>Contact</u>		<u>Contact</u>	
UNIT OF HOUSTON Houston, TX 77029 United States		Houston, TX 77056 United States	
Length	2,325 ft. / 709 m	Width	48.0000 in. / 1,219 mm
Weight (A)	44,509 lbs / 20,188.9428 kg	Gauge	0.1120 in. / 2.84 mm   Min
		Chem Treat	No
		Oiled	No

### Ladle Chemical Analysis (%)

C	Mn	P	S	Si	Al	Cu	Ni	Cr	Mo	Sn	N	V	Nb	Ti	B	Ca	Pb	Zr
0.06	0.30	0.005	0.005	0.02	0.037	0.11	0.04	0.03	0.01	0.004	0.008	0.004	0.001	0.000	0.0000	0.003	0.000	0.000

### Mechanical Properties (if applicable)

Sample 1	English	Metric
Sample Location	Tail	
Tensile Direction	Longitudinal	
Testing Standard	ASTME	
Cert Mode	Heat	
YieldStrength	46.3 KSI	319.2 MPa
TensileStrength	59.7 KSI	411.6 MPa
TotalElongation	33 %	

P.O. # P0239548-01  
 11 ga 48 x 96  
 HEAT # B2302030

*Andrey Isvetkov*  
 Deputy Director  
 Metallurgist

Shipped from Sinton, TX, USA

Melted, thin slab cast and rolled by proud Americans in Sinton, TX, USA.

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.