



NIAGARA

SPECIALTY METALS

MATERIAL CERTIFICATION

12600 Clarence Center Road
Akron, NY 14001
716-542-5552
716-542-5555
Email: nsm@nsm-ny.com

NJSB TAG NO. 588

Date of shipment: 12/01/2020

Production Order: 129953

Grade: D-2

Description: D-2 HRA DESCALED SHEARED SHEET
.140/.156 x 22/25" RW x 36.000" Ex.
Heat# N80782

Chemistry Analysis

NSM Heat Number:	N80782		Hardness:	<input type="text"/>	
Carbon:	<input type="text" value="1.560"/>	Manganese:	<input type="text" value="0.490"/>	Phosphorus:	<input type="text" value="0.023"/>
Silicon:	<input type="text" value="0.330"/>	Chromium:	<input type="text" value="11.350"/>	Vanadium:	<input type="text" value="0.860"/>
Cobalt:	<input type="text"/>	Molybdenum:	<input type="text" value="0.920"/>	Nickel:	<input type="text"/>
Sulphur:	<input type="text" value="0.001"/>	Tungsten:	<input type="text"/>	Titanium:	<input type="text"/>
				Copper:	<input type="text"/>
				Niobium:	<input type="text"/>
				Nitrogen:	<input type="text"/>
				Aluminum:	<input type="text"/>

Remarks

Chemistry as per SPECIFICATION;ASTM A-681

Country of origin: USA

Material received date: October 18, 2018

Original mill heat no: H8949

Federal ID #: 16-1179936

Robert Shabala

Robert Shabala

We provide material that is free from mercury contamination and radiation at the time of shipment. No weld repair is done. We are compliant with EU directive 2002/95/EC (ROHS), REACH, EN 10204 2004 3.1 and DFARS 252.225.7001,7002,7008,7009. Material is melted and manufactured in North America.

Remarks

Chemistry as per SPECIFICATION;ASTM A-681

Country of origin: USA

Federal ID #: 16-1179936