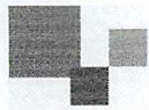


# MATERIAL CERTIFICATION



**NIAGARA**  
SPECIALTY METALS

Customer: NJ STEEL BARON

Date of shipment: 06/15/2020

**NJSB TAG NO. 473**

Production Order: 127660

Grade: 440-C

Description: 440-C ESR HRA DESCALED SHEARED SHEET  
.070/.078" x 23/25" RW x 36.000" Ex. (10 Pieces)  
.070/.078" x 23/25" RW x RL (5 Pieces)  
Heat# N90949

## Chemistry Analysis

NSM Heat Number: N90949

Hardness:

Carbon:	<input type="text" value="1.070"/>	Manganese:	<input type="text" value="0.830"/>	Phosphorus:	<input type="text" value="0.018"/>	Copper:	<input type="text"/>
Silicon:	<input type="text" value="0.310"/>	Chromium:	<input type="text" value="16.720"/>	Vanadium:	<input type="text" value="0.060"/>	Niobium:	<input type="text"/>
Cobalt:	<input type="text"/>	Molybdenum:	<input type="text"/>	Nickel:	<input type="text" value="0.190"/>	Nitrogen:	<input type="text" value="0.044"/>
Sulphur:	<input type="text" value="0.001"/>	Tungsten:	<input type="text"/>	Titanium:	<input type="text"/>	Aluminum:	<input type="text"/>

## Remarks

Country of origin: USA  
Material received date: February 27, 2020

Federal ID #: 16-1179936

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.