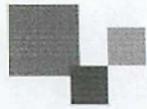


# MATERIAL CERTIFICATION



**NIAGARA**  
SPECIALTY METALS

**NJ STEEL BARON TAG #1508**

Production Order: 140011

Grade: A-2

Description: A-2 HRA DESCALED SHEARED SHEET  
.172/.188" x 22/25" RW x 36.000" Ex.  
Heat# N00227

## Chemistry Analysis

NSM Heat Number: N00227

Hardness:

Carbon:	<input type="text" value="0.980"/>	Manganese:	<input type="text" value="0.820"/>	Phosphorus:	<input type="text" value="0.024"/>	Copper:	<input type="text"/>
Silicon:	<input type="text" value="0.290"/>	Chromium:	<input type="text" value="5.340"/>	Vanadium:	<input type="text" value="0.240"/>	Niobium:	<input type="text"/>
Cobalt:	<input type="text"/>	Molybdenum:	<input type="text" value="1.010"/>	Nickel:	<input type="text" value="0.240"/>	Nitrogen:	<input type="text"/>
Sulphur:	<input type="text" value="0.011"/>	Tungsten:	<input type="text"/>	Titanium:	<input type="text"/>	Aluminum:	<input type="text"/>

## Remarks

Chemistry as per SPECIFICATION: ASTM A-681

Country of origin: USA

Material received date: May 02, 2014

Original mill heat no: A11230

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.

The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under federal statutes including Federal Law, Title 18, Chapter 47. The above are true and correct results of tests on samples of the material. Said results meet the specification(s) and are on record.