



# MATERIAL CERTIFICATION

**NIAGARA**  
SPECIALTY METALS

Customer: NJ STEEL BARON

Date of shipment: 02/05/2020

Production Order: 125776

Grade: 440-C ESR

Description: 440-C HRAD SHD SHT  
.172/.188 X 23-25" X 36"  
HT#N80942

## Chemistry Analysis

NSM Heat Number: N80942

Hardness:

Carbon: 1.050

Manganese: 0.77

Phosphorus: 0.019

Copper:

Silicon: 0.280

Chromium: 16.210

Vanadium:

Niobium:

Cobalt:

Molybdenum: 0.520

Nickel:

Nitrogen:

Sulphur:

Tungsten:

Titanium:

Aluminum:

## Remarks

Chemistry as per SPECIFICATION;ASTM A-276

Country of origin: USA

Material received date: May 02, 2019

Original mill heat no: G25841

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.