

# MATERIAL CERTIFICATION



**NIAGARA**  
SPECIALTY METALS

Customer: NJ STEEL BARON

Date of shipment: 06/15/2020

Production Order: 127667

Grade: CPM 3-V

Description: CPM 3-V HRA DESCALED SHEARED SHEET  
.172/.188 x 23/24" RW x 36.000" Ex.  
Heat# NP69010

## Chemistry Analysis

NSM Heat Number: NP69010

Hardness:

Carbon:	<input type="text" value="0.800"/>	Manganese:	<input type="text" value="0.380"/>	Phosphorus:	<input type="text" value="0.013"/>	Copper:	<input type="text"/>
Silicon:	<input type="text" value="0.890"/>	Chromium:	<input type="text" value="7.530"/>	Vanadium:	<input type="text" value="2.600"/>	Niobium:	<input type="text"/>
Cobalt:	<input type="text" value="0.040"/>	Molybdenum:	<input type="text" value="1.370"/>	Nickel:	<input type="text"/>	Nitrogen:	<input type="text"/>
Sulphur:	<input type="text" value="0.015"/>	Tungsten:	<input type="text" value="0.050"/>	Titanium:	<input type="text"/>	Aluminum:	<input type="text"/>

## Remarks

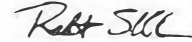
Chemistry as per CI SPECIFICATION REV-1

Country of origin: USA

Material received date: March 23, 2020

Original mill heat no: P69010

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.