

# MATERIAL CERTIFICATION

**NIAGARA**  
SPECIALTY METALS

Customer: NJ STEEL BARON

Date of shipment: 06/15/2020

NJSB TAG NO. 477

Production Order: 127662

Grade: CPM 3-V

Description: CPM 3-V HRA DESCALED SHEARED PLATE  
.275/.300 x 23/25" RW x 36.000" Ex.  
Heat# NP69719

## Chemistry Analysis

NSM Heat Number: NP69719

Hardness:

Carbon:	<input type="text" value="0.790"/>	Manganese:	<input type="text" value="0.390"/>	Phosphorus:	<input type="text" value="0.013"/>	Copper:	<input type="text"/>
Silicon:	<input type="text" value="0.910"/>	Chromium:	<input type="text" value="7.480"/>	Vanadium:	<input type="text" value="2.610"/>	Niobium:	<input type="text"/>
Cobalt:	<input type="text" value="0.050"/>	Molybdenum:	<input type="text" value="1.350"/>	Nickel:	<input type="text"/>	Nitrogen:	<input type="text"/>
Sulphur:	<input type="text" value="0.012"/>	Tungsten:	<input type="text" value="0.070"/>	Titanium:	<input type="text"/>	Aluminum:	<input type="text"/>

## Remarks

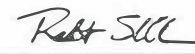
Chemistry as per CI SPECIFICATION REV-1

Country of origin: USA

Federal ID #: 16-1179936

Material received date: June 24, 2020

Original mill heat no: P69719

  
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.