



# MATERIAL CERTIFICATION

# NIAGARA

SPECIALTY METALS

1272 24 1/2" x 23 3/4" x .172  
172/188 x 23/24" RW x 36.000" Ex.  
Heat# NP69534

**Customer:** NJ STEEL BARON

**Date of shipment:** 06/15/2020

**Production Order:** 127668

**Grade:** CPM M-4

**Description:** CPM M-4 HRA DESCALED SHEARED SHEET  
.172/.188 x 23/24" RW x 36.000" Ex.  
Heat# NP69534

### Chemistry Analysis

**NSM Heat Number:** NP69534

**Hardness:**

<b>Carbon:</b> <input type="text" value="1.450"/>	<b>Manganese:</b> <input type="text" value="0.310"/>	<b>Phosphorus:</b> <input type="text" value="0.021"/>	<b>Copper:</b> <input type="text"/>
<b>Silicon:</b> <input type="text" value="0.570"/>	<b>Chromium:</b> <input type="text" value="3.870"/>	<b>Vanadium:</b> <input type="text" value="3.840"/>	<b>Niobium:</b> <input type="text"/>
<b>Cobalt:</b> <input type="text" value="0.070"/>	<b>Molybdenum:</b> <input type="text" value="5.190"/>	<b>Nickel:</b> <input type="text"/>	<b>Nitrogen:</b> <input type="text"/>
<b>Sulphur:</b> <input type="text" value="0.058"/>	<b>Tungsten:</b> <input type="text" value="5.590"/>	<b>Titanium:</b> <input type="text"/>	<b>Aluminum:</b> <input type="text"/>

### Remarks

Chemistry as per CI SPECIFICATION REV-1

Country of origin: USA

Material received date: June 10, 2020

Original mill heat no: P69534

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.