



# MATERIAL CERTIFICATION

**NIAGARA**  
SPECIALTY METALS

**Customer:** NJ STEEL BARON

**Date of shipment:** 01/16/2020

**Production Order:** 125479

**Grade:** CPM 154-CM

**Description:** CPM 154 HRAD SHD SHT  
.140/.156 X 23/25" X 36"  
HT#NP68753

## Chemistry Analysis

**NSM Heat Number:** NP68753

**Hardness:**

<b>Carbon:</b>	1.080	<b>Manganese:</b>	0.480	<b>Phosphorus:</b>	0.015	<b>Copper:</b>	0.080
<b>Silicon:</b>	0.840	<b>Chromium:</b>	13.540	<b>Vanadium:</b>	0.260	<b>Niobium:</b>	
<b>Cobalt:</b>	0.010	<b>Molybdenum:</b>	4.030	<b>Nickel:</b>	0.100	<b>Nitrogen:</b>	
<b>Sulphur:</b>	0.012	<b>Tungsten:</b>	0.010	<b>Titanium:</b>		<b>Aluminum:</b>	

## Remarks

Chemistry as per CI SPECIFICATION REV-1

Country of origin: USA

Material received date: October 23, 2019

Original mill heat no: P68753

Federal ID #: 16-1179936

*Robert Shabala*

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.