



# MATERIAL CERTIFICATION

**NIAGARA**  
SPECIALTY METALS

**NJ STEEL BARON TAG #1785**

Production Order: 144024

Grade: CPM 4-V

Description: CPM 4-V HRA DESCALED SHEARED  
PLATE .275/.300 x 21.5/23" RW x 36.000" Ex.  
Heat# NP69518  
Heat# NP66057

## Chemistry Analysis

NSM Heat Number: NP66057

Hardness:

Carbon:	1.350	Manganese:	0.400	Phosphorus:	0.021	Copper:	
Silicon:	0.810	Chromium:	4.820	Vanadium:	3.810	Niobium:	
Cobalt:		Molybdenum:	2.910	Nickel:		Nitrogen:	
Sulphur:	0.010	Tungsten:		Titanium:		Aluminum:	

## Remarks

Chemistry as per CI SPECIFICATION REV-1

Country of origin: USA

Material received date: February 28, 2018

Original mill heat no: P66057

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.

The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under federal statutes including Federal Law, Title 18, Chapter 47. The above are true and correct results of tests on samples of the material. Said results meet the specification(s) and are on record.

## Chemistry Analysis

NSM Heat Number: NP69518

Hardness:

Carbon:	1.340	Manganese:	0.400	Phosphorus:	0.018	Copper:	
Silicon:	0.750	Chromium:	4.740	Vanadium:	3.780	Niobium:	
Cobalt:	0.040	Molybdenum:	2.900	Nickel:		Nitrogen:	
Sulphur:	0.010	Tungsten:	0.060	Titanium:		Aluminum:	
Carbon:	1.340	Manganese:	0.400	Phosphorus:	0.018	Copper:	
Silicon:	0.750	Chromium:	4.740	Vanadium:	3.780	Niobium:	