

# MATERIAL CERTIFICATION



**NIAGARA**  
SPECIALTY METALS

12600 Clarence Center Road  
Akron, NY 14001

**NJSB TAG NO. 605**

Date of shipment: 12/10/2020

Production Order: 130157

Grade: CPM 3-V

Description: CPM 3-V HRA DESCALED SHEARED SHEET  
.275/.300 x 22/25" RW x 36.000" Ex.  
Heat# NP69981

## Chemistry Analysis

NSM Heat Number: NP69981

Hardness:

Carbon:	<input type="text" value="0.820"/>	Manganese:	<input type="text" value="0.390"/>	Phosphorus:	<input type="text" value="0.013"/>	Copper:	<input type="text"/>
Silicon:	<input type="text" value="0.890"/>	Chromium:	<input type="text" value="7.460"/>	Vanadium:	<input type="text" value="2.610"/>	Niobium:	<input type="text"/>
Cobalt:	<input type="text" value="0.040"/>	Molybdenum:	<input type="text" value="1.360"/>	Nickel:	<input type="text"/>	Nitrogen:	<input type="text"/>
Sulphur:	<input type="text" value="0.008"/>	Tungsten:	<input type="text" value="0.100"/>	Titanium:	<input type="text"/>	Aluminum:	<input type="text"/>

## Remarks

Chemistry as per CI SPECIFICATION REV-1

Country of origin: USA

Material received date: November 19, 2020

Original mill heat no: P69981

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 25.225.7001,7002,7008,7009. Material is melted and manufactured in North America.