



# MATERIAL CERTIFICATION

# NIAGARA

SPECIALTY METALS

12600 Clarence Center Road  
Akron, NY 14001

Date of shipment: 12/17/2020

Production Order: 130233

NJSB TAG NO. 596

Grade: CPM S90-V

Description: CPM S90-V HRA DESCALED SHEARED SHEET  
.103/.113 x 23/24" RW x 36.000"  
Ex. Heat# NP69668

### MECHANICAL PROPERTIES


### REMARKS

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### CHEMISTRY ANALYSIS

NSM Heat Number:	NP69668	Hardness:	
Carbon:	2.310	Manganese:	0.490
Phosphorus:	0.013	Copper:	
Silicon:	0.500	Chromium:	14.220
Vanadium:	8.84	Niobium:	
Cobalt:	0.050	Molybdenum:	1.000
Nickel:		Nitrogen:	0.110
Sulphur:	0.015	Tungsten:	0.050
Titanium:		Aluminum:	

### REMARKS

Chemistry as per CI SPECIFICATION REV-1  
Country of origin: USA  
Material received date: November 09, 2020  
Original mill heat no: P69668

Federal ID #: 16-1179936

Robert Shabala