

MATERIAL CERTIFICATION

NIAGARA
SPECIALTY METALS

Customer: NJ STEEL BARON

Date of shipment: 01/16/2020

Production Order: 125480

Grade: 154-CM

Description: 154-CM HRAD SHD SHT
.103/.113 X 23/25" X 36"
HT#NA13781/NA13854

Chemistry Analysis

NSM Heat Number: NA13781

Hardness:

Carbon:	1.030	Manganese:	0.570	Phosphorus:	0.023	Copper:	
Silicon:	0.330	Chromium:	13.540	Vanadium:		Niobium:	
Cobalt:		Molybdenum:	3.980	Nickel:		Nitrogen:	
Sulphur:	0.001	Tungsten:		Titanium:		Aluminum:	

Remarks

Country of origin: USA

Material received date: February 06, 2019

Original mill heat no: A13781

Federal ID #: 16-1179936

Robert Shabala
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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.

Chemistry Analysis

NSM Heat Number: NA13854

Hardness:

Carbon:	1.030	Manganese:	0.540	Phosphorus:	0.024	Copper:	0.100
Silicon:	0.400	Chromium:	13.600	Vanadium:		Niobium:	
Cobalt:		Molybdenum:	3.990	Nickel:	0.200	Nitrogen:	
Sulphur:	0.003	Tungsten:		Titanium:		Aluminum:	

Remarks

Country of origin: USA

Material received date: December 04, 2019

Original mill heat no: A13854

Federal ID #: 16-1179936

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