



MATERIAL CERTIFICATION

NIAGARA

SPECIALTY METALS

12600 Clarence Center Road
Akron, NY 14001

NJSB TAG NO. 431

Date of shipment: 04/17/2020

Production Order: 127022

Grade: D-2

Description: D-2 HRA DESCALED SHEARED SHEET
.103/.113" X 24" X 36"
HT# N70257

Chemistry Analysis

Chemistry as per SPECIFICATION;ASTM A-681

Country of origin: USA

Federal ID #: 16-1179936

Material received date: December 10, 2015

Original mill heat no: A12859

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.

Chemistry Analysis

NSM Heat Number:	N70257	Hardness:	
Carbon:	1.550	Manganese:	0.380
Phosphorus:	0.022	Copper:	
Silicon:	0.370	Chromium:	11.250
Vanadium:	0.800	Niobium:	
Cobalt:		Molybdenum:	0.740
Nickel:		Nitrogen:	
Sulphur:	0.006	Tungsten:	
Titanium:		Aluminum:	
Carbon:	1.550	Manganese:	0.380
Phosphorus:	0.022	Copper:	
Silicon:	0.370	Chromium:	11.250
Vanadium:	0.800	Niobium:	
Cobalt:		Molybdenum:	0.740
Nickel:		Nitrogen:	
Sulphur:	0.006	Tungsten:	
Titanium:		Aluminum:	

Remarks

Chemistry as per SPECIFICATION;ASTM A-681