



MATERIAL CERTIFICATION

NIAGARA

SPECIALTY METALS

12600 Clarence Center Road
Akron, NY 14001

NJSB Tag #1900

Description: 440-C ESR HRA DESCALED SHEARED SHEET
.103/.113" x 23/25" RW x 36.000" Ex.
Heat# G29584

Chemistry Analysis

Heat Number:	G29584		Hardness:	<input type="text"/>	
Carbon:	<input type="text" value="1.000"/>	Manganese:	<input type="text" value="0.780"/>	Phosphorus:	<input type="text" value="0.021"/>
Silicon:	<input type="text" value="0.360"/>	Chromium:	<input type="text" value="16.570"/>	Niobium:	<input type="text" value="0.010"/>
Cobalt:	<input type="text" value="0.050"/>	Molybdenum:	<input type="text" value="0.540"/>	Nickel:	<input type="text" value="0.180"/>
Sulphur:	<input type="text" value="0.001"/>	Tungsten:	<input type="text" value="0.050"/>	Titanium:	<input type="text" value="0.010"/>
				Aluminum:	<input type="text" value="0.010"/>

Remarks

Chemistry as per ASTM A-276, ASTM F899-12b

Country of origin: USA

Federal ID #: 16-1179936



General Manager/Quality

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.