MATERIAL CERTIFICATION NIAGARA SPECIALTY METALS

Customer:

NJ STEEL BARON

Date of shipment: 03/05/2020

Production Order: 126361

Grade:

CPM 154-CM

Description:

CPM 154 HRA DESCALED SHEARED SHEET

.172/.188" x 23/25" RW x 36.000" Ex.

Heat# NP69233

| Chemistry Analysis | | | | | | | | |
|--------------------|--------------------------|-------|-------------|-----------|-------------|-------|-----------|-------|
| | NSM Heat Number: NP69233 | | | Hardness: | | | | |
| | Carbon: | 1.060 | Manganese: | 0.490 | Phosphorus: | 0.017 | Copper: | 0.080 |
| | Silicon: | 0.800 | Chromium: | 13.490 | Vanadium: | 0.270 | Niobium: | |
| | Cobalt: | 0.010 | Molybdenum: | 4.030 | Nickel: | 0.120 | Nitrogen: | |
| | Sulphur: | 0.015 | Tungsten: | 0.010 | Titanium: | | Aluminum: | |

Remarks

Chemistry as per CI SPECIFICATION REV-1

Country of origin: USA

Material received date: December 18, 2019

Original mill heat no: P69233

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 252.225.7001,7002,7008,7009. Material is melted and manufactured in North America.