Precision Metals
a Venus Group of Company

Qualification Test Record (QTR)
NORSOK M-650

Precision Metals, AT- ATKARGAON (KHOPOLI), TALUKA - KHALAPUR, DISTRICT- RAIGAD, MAHARASHTRA - 410 203.
www.venuswires.com

Reference Standard
NORSOK Standard M-650 Edition : 04, September 2011

Material Designation and MDS No.
ASTM A-479, UNS S31803, MDS D-47, Rev.-05, Norsok Standard M-630

Manufacturing Summary doc. No.
PM/MS/02
Rev.:No: 00

Products and Manufacturing Process (as)
Bright Bars – Peled, Ground & Polished
Heat Treatment, Peeling, Straightening, Grinding, Reeling Polishing, Packing.

Mandatory conditions and sub-contractors
Hot Rolled bars to be sourced from the supplier code given below for the approved size range or from NORSOK Qualified Manufacturer with current QTR for Material Grade MDS D-47 Rev 05, NORSOK Standard M 630.
Testing Partial : M/s Exova (Metallurgical Services)
Testing outsource: Micro Examination, Pitting Corrosion test, Dye Penetrant Test, Chemical Test, Tensile Test in Transverse Direction.

Other Information

Qualification Expires
In Case of any major change in NORSOK M-650, MDS D-47, Rev.-05, Norsok Standard M-630.

Tested and Qualified Thickness and Weight

<table>
<thead>
<tr>
<th>Products and manufacturing process (es)</th>
<th>Test Record No.</th>
<th>Tested Thickness mm</th>
<th>Qualified Thickness mm</th>
<th>Test Piece Weight Kg</th>
<th>Qualified Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>90 &amp; 110</td>
<td>VY</td>
<td>90-120</td>
<td>430</td>
</tr>
<tr>
<td></td>
<td></td>
<td>150</td>
<td>VY</td>
<td>150</td>
<td>788</td>
</tr>
</tbody>
</table>

Page 1 of 2
# Qualification / Acceptance Signatures

<table>
<thead>
<tr>
<th>Manufacturer: M/s PRECISION METALS</th>
<th>Prepared By/ Date: Arvind Shinde 29.01.2016</th>
<th>Checked By/ Date: Rathnakumara 29.01.2016</th>
</tr>
</thead>
</table>

The manufacturer and this OTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.

*This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.*

---

**Qualified/ Accepted By (Company name/address):**

TUV NORD Systems GmbH & Co.KG
Grobe Bahnstrabe 31-Hamburg-22525

**Signature / Date:**

Sandeep Deshpande