

EXOVA
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TEST CERTIFICATE



PO/ SO: 20140520
 Material: Grade 2 Titanium

Exova Lab#: 620470
 Certification Date: 06/02/14

Size: 0.020" Thick
 Heat Number: CN1334MA

GT#: 5553.2

Specification(s): ASTM B265 Rev. 13Ae1

Chemical Analysis

| Element | Description | Result | Min | Max | Unit | Method | Comments |
|---------|----------------------|--------|-----|-------|-------|------------|----------|
| N2 | Nitrogen | < 0.01 | | 0.03 | Wt. % | Fusion | |
| C | Carbon | 0.03 | | 0.08 | Wt. % | Combustion | |
| H2 | Hydrogen | 0.003 | | 0.015 | Wt. % | Fusion | |
| Fe | Iron | 0.08 | | 0.30 | Wt. % | XRF | |
| O2 | Oxygen | 0.10 | | 0.25 | Wt. % | Fusion | |
| OE | Other Elements | < 0.1 | | 0.1 | Wt. % | XRF | |
| OET | Other Elements Total | < 0.4 | | 0.4 | Wt. % | XRF | |
| Ti | Titanium | BAL | BAL | | Wt. % | XRF | |

Tensile Test (Room Temp.)

| Direct. | Temp. | Stressed Dimension | 0.2% Yield | Ultimate | Elong 4D/4W | Test Method |
|--------------|-------|------------------------|------------|----------|-------------|-------------|
| | °F | in | ksi | ksi | In | |
| Longitudinal | RT | 0.436 (W) X 0.0202 (t) | 51.3 | 70.1 | 2.660 | ASTM E8 |
| | | | 40 | 50 | | |
| | | | 65 | | | |
| | | | | | 33.0 | |
| | | | | | 20 | |

Disposition

Conforms to requirements.

Certification Issue ID: 1070, Version 1

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Signed for and on behalf of Exova

Marion Garcia
 Marion Garcia, Quality Technician

Victor
 Materials Testing Laboratory