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## Certification of Conformance

|                  |           |                  |                          |               |           |
|------------------|-----------|------------------|--------------------------|---------------|-----------|
| Certification ID | 4107      | Customer P/N     | P-221629-21              | DPAS Rating   | N/A       |
| Date             | 4/20/2022 | Part Description | Pressure Hull - End Dome | Master Heat # | 1521-0006 |
| Customer         | MBARI     | Drawing #/Rev    | P-221629-21 Rev. -       | Work Order #  | W02145    |
| Customer PO      | 2210271   | Material         | Ti 6-4                   | Quantity      | 2         |
|                  |           | Material Spec    | ASTM B367 C5             | S/N           | 1, 2      |

### CHEMISTRY ANALYSIS

|              |     | Al   | C    | Fe   | V    | H     | N    | O    | OE   | OT   |
|--------------|-----|------|------|------|------|-------|------|------|------|------|
| Test Results |     | 6.22 | 0.03 | 0.15 | 4.20 | 0.001 | 0.01 | 0.18 | <0.1 | <0.4 |
| Required     | Min | 5.50 | -    | -    | 3.50 | -     | -    | -    | -    | -    |
|              | Max | 6.75 | 0.10 | 0.4  | 4.50 | 0.02  | 0.05 | 0.25 | 0.1  | 0.4  |

### ROOM TEMPERATURE TENSILE TEST

|                |  | Tensile Strength (psi) | Yield Strength (ksi) | Elongation in 4D (%) | Orig. Gauge Dia. (in.) |
|----------------|--|------------------------|----------------------|----------------------|------------------------|
| Test Results   |  | 139.9                  | 125.5                | 9.5                  | 0.252                  |
| Required (min) |  | 130                    | 120                  | 6                    | -                      |

### OUTSIDE SERVICE PROVIDERS

| Process | Supplier                | COC      |
|---------|-------------------------|----------|
| HIP     | Kittyhawk Products, Inc | 226503-1 |

| Test Verification | Supplier      | COC       |
|-------------------|---------------|-----------|
| Tensile           | IMR Test Labs | 202204424 |

The production of this material was performed in accordance with AS9100:D & ISO 9001:2015 Quality Management System and Manufactured & Melted in the USA (IAW DFAR Clause 252.225-7009).

Ti Squared Technologies does not employ the use of mercury or radioactive luminescent material during processing.

Material supplied for this purchase order has not come into direct contact with mercury, nor with any mercury containing devices not employing double boundary containment.

The recording of false, fictitious, or fraudulent statements or entries on this document may be punishable as a felony under federal statutes.

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INSPECTION BY Josh Dorsey

CERTIFIED BY Carla Lockwood

C Lockwood 4/20/22  
Signature/Date

We hereby certify the included material was produced in accordance with listed specifications, drawings and procedures in accordance with EN 10204 3.2. We further certify these items have been found to be in compliance with said specifications and procedures and conform to purchase order requirements. All exceptions, waivers, deviations, and/or nonconforming conditions have been identified and approved prior to shipment. All documentation required by the purchase order is included herein and is accurate, complete, true and available on file for examination.



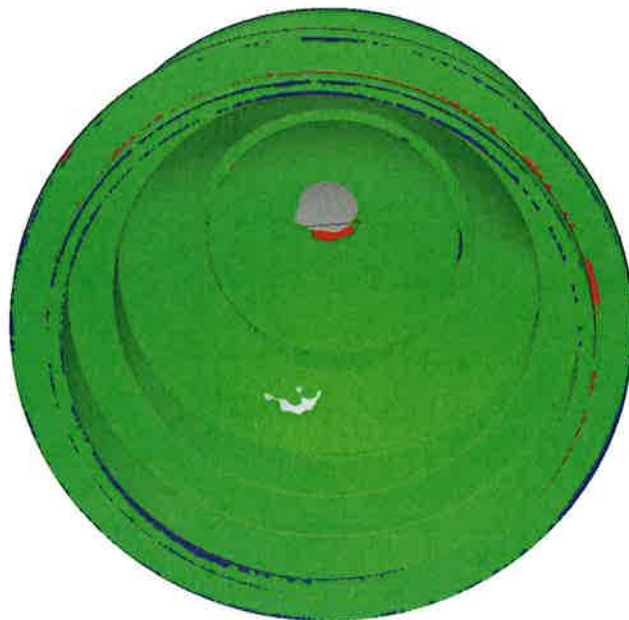
UpTol

UpWarn

0

LoWarn

LoTol



UpTol

UpWarn

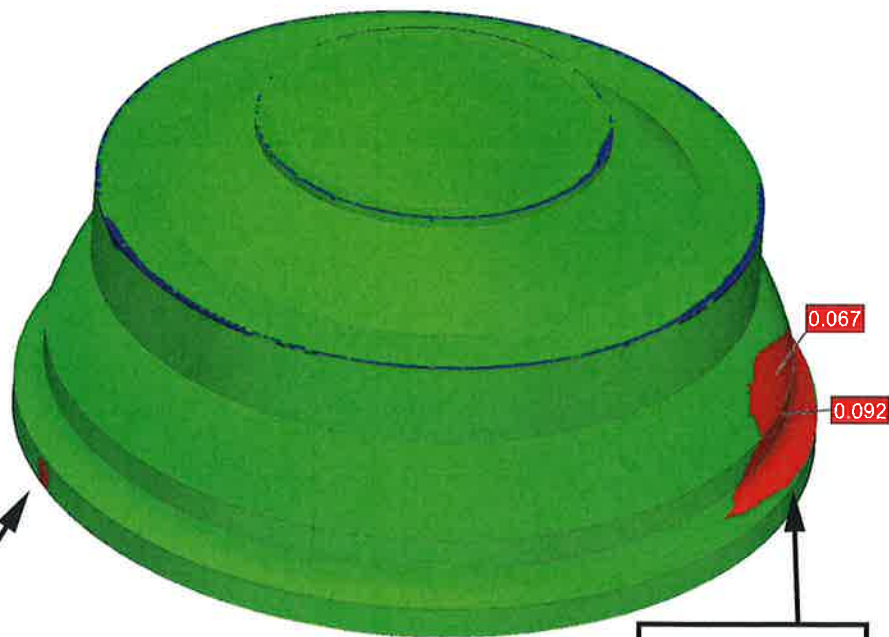
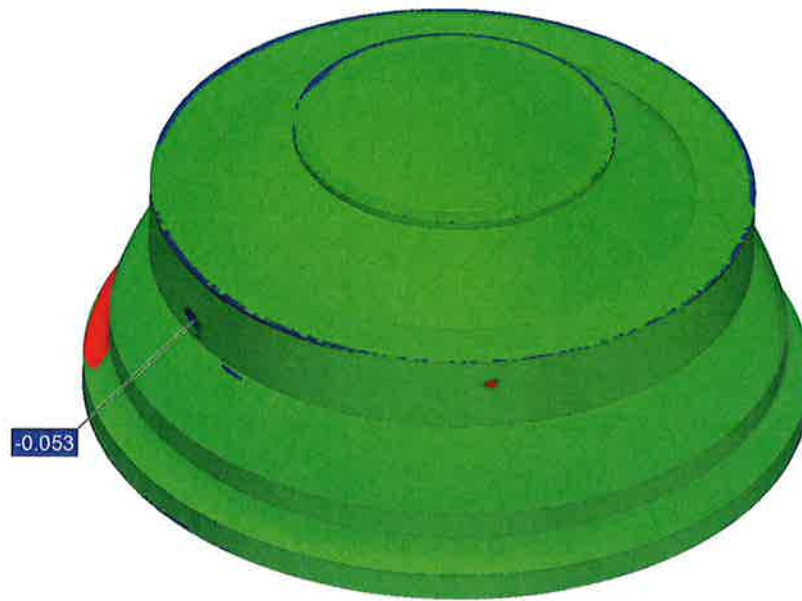
0

LoWarn

LoTol

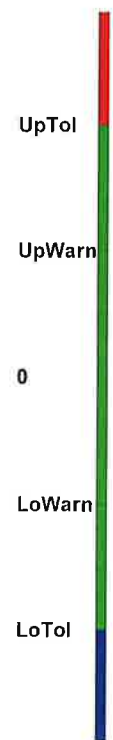
Part Number: 946  
Work Order: W01245  
Serial Number: 2

Customer: MBARI  
Customer PN: P-221629-21  
Pass Tolerance  $\pm .050$ "



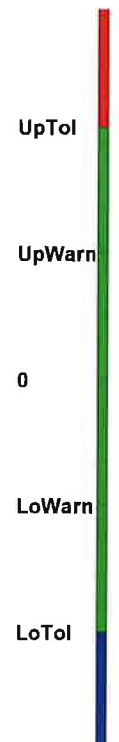
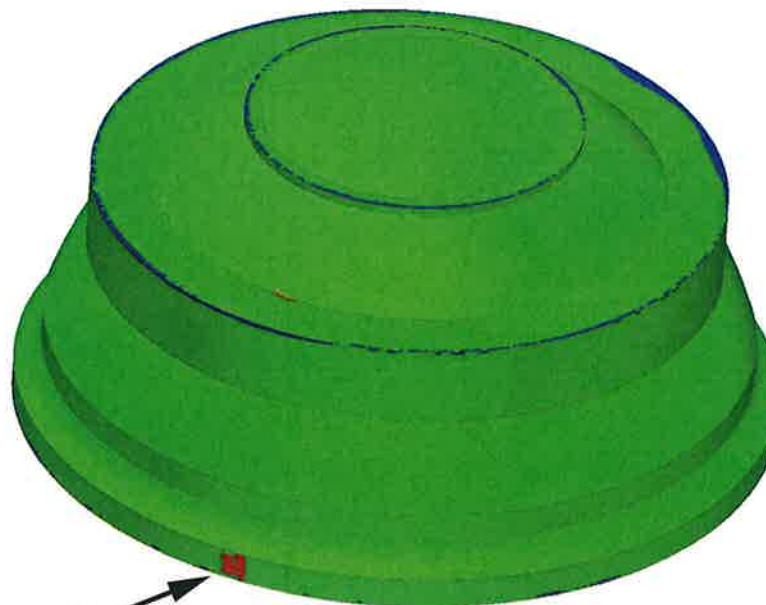
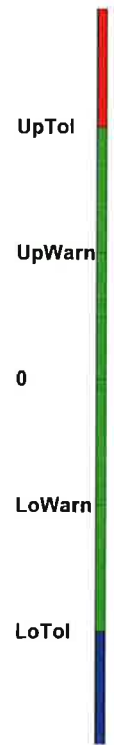
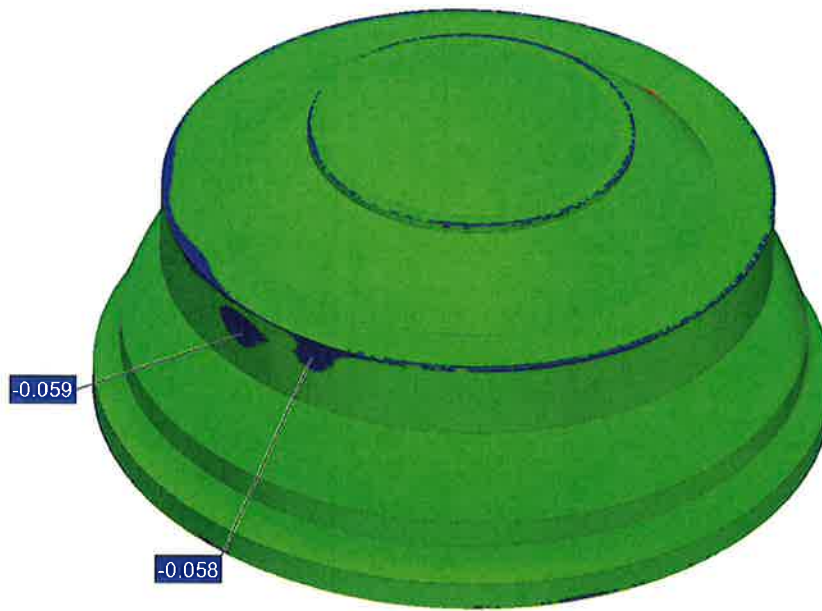
Part Number: 946  
Work Order: W01245  
Serial Number: 2

Customer: MBARI  
Customer PN: P-221629-21  
Pass Tolerance +/- .050"



Part Number: 946  
Work Order: W0124501  
Serial Number: 1

Customer: MBARI  
Customer PN: P-221629-21  
Pass Tolerance +/- .050"



Part Number: 946  
Work Order: W0124501  
Serial Number: 1

Customer: MBARI  
Customer PN: P-221629-21  
Pass Tolerance +/- .050"