

Certificate of Conformance SIFCO Process Solution

The solution identified below has been tested under controlled conditions and found to meet SIFCO Applied Surface Concepts specifications and Quality Assurance standards. This product does not contain, nor has it been contaminated with metallic mercury or mercury compounds. SIFCO ASC, LLC is a mercury free facility.

This product is free from all foreign materials that could result in foreign object damage to the equipment or process.

Capability of Meeting Specifications

SIFCO Process electroplates, when properly selected and applied, will meet the requirements of: AMS2451D, MIL-STD-2197A (SH), MIL-STD-865E and DPS9.89-1

de 5644
ion Nickel High-Speed, LHE®
2108160
ent Actual Value
oH 7.79 @ 20°C
ity 1.171 @ 20°C
ent 50.86 g/l
ce Blue Green
re August 11, 2021
August 21, 2021 Report #21-70799
ife August 11, 2025
08/30/2021 Date

F 7.5.1-2 Revision 6 7/22/2013

Phone: 940-648-5828 OmegaResearchInc.com

"Specialists in Embrittlement Testing"

Date:

August 23 2021

To:

SIFCO OH

5708 Schaaf Road

INDEPENDENCE, OH 44131

Test Report:

21-70799

Reference P.O.:

PO00007835

S/N 1,2,3,4

Test:

NOTCH TENSILE HYDROGEN EMBRITTLEMENT

Sample Identification:

SAMPLES A, B, C, D:

Job / SN:

SOLUTION CODE 5644 BATCH 2108160

Process:

BRUSH NICKEL

PO Specification:

DPS 9.89-1, ASTM F519

Test Method Scope:

ASTM F519-18

Receive Date:

Aug 13, 2021

Test Start Date:

Aug 13, 2021

Test End Date:

Aug 21, 2021

Sample Lot:

46G, 46G, 46G, 48E

Mfg: GREEN

Notched Ultimate Tensile Load:

9272, 9272, 9272, 9206

Units: LBS

Test Load:

6954, 6954, 6954, 6905

Units LBS

Results:

Conforms

The above identified notched tensile samples were subjected to a 200-hour sustained load test at a load of 75% of the Notch Ultimate Tensile Load (NUTL). Results above are applicable to submitted purchase order specifications. Additionally, results apply to the samples as received. Variances as applicable are noted at bottom right of report:

Report Revision:

Revision Description:

1 - Original

8130/2021

OMEGA RESEARCH INC. Testing performed under direct supervision of approved signatories per QM-001 18O 17025 Quality Manual PARA 7.8.

Jeremy Riley

Joshua Cox Clint Williams

Ops Mgr

Quality Mgr

Engr Tech

Decision Rule: Per previously communicated and agreed data has been supplied/reported as observed without accounting for measurement uncertainty,

Report invalid unless color seal present. Page 1 of 1