

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

Product Code	5644
Product Description	Nickel High-Speed, LHE®
Batch Number	2001156

Test Requirement	Actual Value	
pH	7.74	@ 20°C
Specific Gravity	1.172	@ 20°C
Metal Content	50.39	g/l
Solution Appearance	Blue Green	
Date of Manufacture	January 29, 2020	
HE Certification Pass Date	February 13, 2020 Report #20-64474	
Date of Expiration	January 29, 2030	



Quality Systems Engineer

02/17/2020

Date



"Specialists in Embrittlement Testing"

Date: February 13 2020

To: SIFCO OH
5708 Schaaf Road
INDEPENDENCE, OH 44131

Test Report: 20-64474

Reference P.O.: PO00006131
S/N 1,2,3,4

Test: NOTCH TENSILE HYDROGEN EMBRITTLEMENT

Sample Identification: SAMPLES A, B, C, D:

Job / SN: SOLUTION 5644 BATCH 2001156

Process: BRUSH NICKEL

PO Specification: DPS 9.89-1, ASTM F519

Test Method Scope: ASTM F519-18

Receive Date: Feb 04, 2020

Test Start Date: Feb 04, 2020

Test End Date: Feb 13, 2020

Sample Lot: 24F

Notched Ultimate Tensile Load: 9345

Test Load: 7009

Mfg.: GREEN

Units: LBS

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: 1
Revision Description: TEXAS 1 - Original



Testing performed under direct supervision of approved signatories per QM-001 ISO 17025 Quality Manual PARA 7.8.2

Joshua Cox **Jeremy Rhee** **Craig Willan**
Lab Mgr **Ops Mgr** **Chief Engr**

Report invalid unless color seal present. Page 1 of 1

APPROVED

8MB 02/17/2020