

## QADOC4 Manufacturers Certificate of Compliance EN 10204 2.2

**Customer:** Customer Name **EST Sales Order:** 123456

**Supplier PO Ref:** 123456 **EST B.V. Sales Order:** 123456

**Manufacturer:** EST Group Hatfield, PA, USA **Order:** EST Group B.V.  
Hoorn 312A  
**Supplier:** 2404 HL Alphen aan den Rijn  
The Netherlands

Part Number	Description	Flange Heat
HL2B6P40	High Lift Flange Weld Test Plug for use in 6" Schedule 40 Pipe to 6" 300# Class RF Flange Connection. Nominal Pipe ID 6.07" (154.2mm). Plug OD 5.57" (141.5mm). Maximum Pressure Rating 1125 PsiG (77 BarG). Plug materials are steel components with Urethane seal and Buna-N O-Ring. 3/4" Deep Impact Socket Required (sold separately).	GFL

Curtiss-Wright EST Group hereby certifies that the materials/items/equipment listed herein were manufactured, sampled, and inspected under our controlled Quality Management System registered to ISO-9001:2015. This document further certifies that listed equipment/service/materials are of the quality specified and conform in all respects with the listed customer purchase order requirements, including specifications, packaging, marking requirements, and physical item identification. Furthermore, all documentation required by the purchase order is accurate, complete, true and is included herein.

We are committed to complying with the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas, as well as Section 1502 of the Dodd-Frank Act.

During manufacturing, testing and inspection, the items listed did not come in contact with mercury or any of its compounds.

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Authorized by: Sandeep Tom, Quality Engineer

05-17-2023 02:08 PM

Quality Assurance, EST Group

Date

995,809.00



## Flanges-Precision Machining

1321 Valley Center Dr.  
Bay City, MI 48706

Phone (989) 686-0350  
Toll Free (800) 248-5060  
Fax (989) 686-0399

## Material Test Report

Date: 04/09/2021

Sold To: SPECIALTY FLANGE & FITTING INC.  
649 LEBANON AVE

Ship To: SPECIALTY FLANGE & FITTING INC.  
649 LEBANON AVENUE

US

US

Order No: 657401

Ship Instructions: JAMIE

PO No: 210180

RECEIVED  
OCT 15 2021  
BY: 250287

### Item Description

### Heat No.

6 300# BLD RF ASTM A105/A105M-18/ASME SA105/SA105M-19

GFL

C%	Mn%	P%	S%	Si%	Cr%	Cu%	Ni%	Mo%	V%	Cb(Nb) %
0.190	1.050	0.008	0.017	0.270	0.090	0.260	0.080	0.030	0	0.001

B%

0.0003

Tensile (PSI)	Yield (PSI)	Elong %	Reduction %	Brinell	Rockwell	CE
83,800	49,400	30.0	57.0	163-170		0.412
Grain Size	Test Size	Impact			Shear	Lateral Exp.
7.0	.490					

"THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENT OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL STATUTE."

DIN 50049/EN 10204/ISO 10474 3.1.b

NACE MR0175/ISO 15156-2 2015

NO WELD REPAIR/MERCURY FREE. MATERIAL FULLY KILLED.

ELONGATION FROM A ROUND SPECIMEN.

YIELD STRENGTH WAS DETERMINED USING THE 0.2% OFFSET METHOD.

MELTED & FORGED IN USA, 100% MACHINED-MANUFACTURED, DRILLED AND STAMPED IN BAY CITY, MICHIGAN, USA

\*\*\*THIS IS A DIGITALLY CREATED DOCUMENT\*\*\*

**Brian Dennis**

BRIAN DENNIS/QUALITY CONTROL