

ROTECH Test Report

LABORATORY



0366

Rotech Number: 17-04523
Issue: 1
Date Reported: 30/11/2017
Purchase Order No. 34403

Description: Elbow Forging 3/4" 90 Degree
Cast No. 772410
WHT Part No. L230 Issue No. 1
WHT Job No. 131726

The test items were submitted to the laboratory for:

41 Mechanical - Tensile Mechanical - Hardness

Specification: ASTM A182 F316L
Requirements:
Submitted by: MARK
Date Sample(s) Received: 28/11/2017
Date(s) tested: 30/11/2017

Sample: 17-04523-001

Mechanical - Tensile

Tested in accordance with: ASTM A370 - 2016

Elongation method: Elongation at fracture

Description: Longitudinal test piece Test piece type: Sections Original gauge length [mm]: 4D

Sample ID Test piece size [mm] Yield strength (0.2% offset) [MPa] Tensile strength [MPa] Elongation [%] Reduction of area [%]

#1	12.57	316	635	50.0	70
Rqmts	Min	170	485	30	50

Sample: 17-04523-002

Mechanical - Hardness

Tested in accordance with: ASTM E10 - 2015

Test load: 10/3000 Measurement device: Type A

Sample ID Hardness [HBW]

#1	207
Rqmts	

Comments: Test results conform to specification

F13897

3/8" BSPP CS MALE X SWIV FEM 90 BLOCK ELBOW 10K 316L

REPORT ISSUED AND
AUTHORISED BY

Chris Jones
Technician

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TESTING CONDUCTED IN ACCORDANCE WITH MANAGEMENT SYSTEM MANUAL ISSUE 14.