

## CERTIFICATE OF ANALYSIS

ORDER # : 257743  
PART NUMBER: 242206357CUSTOMER NAME: PACIFIC INDUSTRIAL SUPPLIES  
UNIT 1/19 CHIPFLEY STREET  
SMITHFIELD NSW 2164  
AUSTRALIACUSTOMERS ORDER NO: 40232  
DIAMETER & LENGTH: 1/16  
TRADE NAME: CORESHIELD  
TYPE : 8  
WEIGHT: 19,800  
LOT NO: 81916  
CLASSIFICATION : E71T-8  
TEST KEY : 5856560000A

This material conforms to :

AWS A5.20-95

CHEMICAL ANALYSIS :

Carbon	.1937
Manganese	.4903
Chromium	.0242
Nickel	.0160
Silicon	.1375
Columbium	.0027
Tantalum	.0016
Molybdenum	.0096
Copper	.0357
Titanium	.0599
Phosphorus	.0034
Sulphur	.0029
Vanadium	.0087
Cobalt	.0034
Aluminium	.6730

( P=Predicted/W=Wet )

RADIOGRAPHY :

XRAY Satisfactory

TENSILE REQUIREMENTS:

## AS WELDED

MIN YIELD(psi) :	58000
MIN YIELD(MPa) :	400
MIN TENSILE(psi) :	70000
MIN TENSILE(MPa) :	480
MIN ELONG :	22.0

MAX TENSILE(MPa) :

TENSILE RESULTS :

## AS WELDED

CALCULATE YIELD(psi) :	68000
CALCULATE YIELD(Mpa) :	469
CALCULATE TENSILE(psi) :	78500

The ESAB Group, Inc.

1500 Karen Lane  
Hanover, PA 17331  
www.esab.com  
Fax: 1-800-444-8911

By:

  
K. Wildasin, Supervisor, Q.A. Services




## CERTIFICATE OF ANALYSIS

ORDER # : 257743  
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CALCULATE TENSILE (Mpa) : 542  
% ELONGATION : 25.0  
% REDUCTION OF AREA : 57.5

CHARPY V-NOTCH REQUIREMENTS:AS-WELDED :

CVN TEMPERATURE (F) : -20  
CVN TEMPERATURE (C) : -29  
CVN AW MIN (FT-LBS) : 20  
CVN AW MIN (JOULES) : 27

CHARPY V-NOTCH RESULTS:AS-WELDED :

TEMP (F)	FT-LBS	TEMP (C)	JOULES	GAS
-20	44	-29	60	

FILLET : Satisfactory

This material is certified to be free of any mercury.

The undersigned certifies that the product supplied will meet the requirements of the applicable AWS Filler Metal Specification when tested in accordance with that specification, and that no significant change has been made in the elements described in the qualification approval

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