

CERTIFICATE OF ANALYSIS



ORDER # : 257743
PART NUMBER: 242206357

CUSTOMER NAME: PACIFIC INDUSTRIAL SUPPLIES
UNIT 1/19 CHIFLEY STREET
SMITHFIELD NSW 2164
AUSTRALIA

CUSTOMERS ORDER NO: 40232
DIAMETER & LENGTH: 1/16
TRADE NAME: CORESHIELD
TYPE : 8
WEIGHT: 19,800
LOT NO: 81978
CLASSIFICATION : E71T-8
TEST KEY : 5857060000A

This material conforms to :
AWS A5.20-95

CHEMICAL ANALYSIS :

Carbon .2136
Manganese .4864
Chromium .0240
Nickel .0185
Silicon .1355
Columbium .0032
Tantalum .0010
Molybdenum .0080
Copper .0347
Titanium .0612
Phosphorus .0034
Sulphur .0028
Vanadium .0099
Cobalt .0032
Aluminium .7190
(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
Phone: 1-800-123ESAB

By:

K. Wildasin
K. Wildasin, Supervisor, Q.A. Services



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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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