

CERTIFICATE OF ANALYSIS

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ORDER # : 257743
PART NUMBER: 242206365

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

CUSTOMERS ORDER NO: 40232
DIAMETER & LENGTH: .072
TRADE NAME: CORESHIELD
TYPE : 8
WEIGHT: 19,800
LOT NO: 81942
CLASSIFICATION : E71T-8
TEST KEY : 5856820000A

This material conforms to :
AWS A5.20-95

CHEMICAL ANALYSIS :

Carbon	.1855
Manganese	.4987
Chromium	.0265
Nickel	.0215
Silicon	.1514
Columbium	.0029
Tantalum	.0010
Molybdenum	.0106
Copper	.0412
Titanium	.0677
Phosphorus	.0044
Sulphur	.0033
Vanadium	.0097
Cobalt	.0034
Aluminium	.7680

(P=Predicted/W=Wet)

RADIOGRAPHY :

KRAY 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
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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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