

FOR QUOTE UNQUOTE



A PCC COMPANY

HUNTINGTON ALLOYS CORPORATION
3200 Riverside Drive, Huntington, West Virginia 25705-1771 USA
Tel: +1.304.526.5100 Toll-Free In the USA: 1.800.334.4626
Fax: +1.304.526.5643 info@specialmetals.com

MM80P9BG12

Certificate No. 13214-00

Dated 06-JAN-13

CERTIFIED MATERIALS TEST REPORT

Page No. 1 / 3

Note: The recording of false, fictitious or fraudulent statements on entries on this document may be punishable as a felony under federal statute.

This report relates only to the item(s) tested and may not be reproduced except in full.

Customer
CORROSION MATERIALS INC
2262 GROOM RD
BAKER
LA
70714

Ship To
CORROSION MATERIALS INC
2262 GROOM RD
BAKER
LA
70714

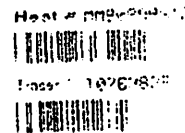
Sales Order Number	Purchase Order Number	Mark Order Number	Material Heat / Lot Identity
300030361 / 1.1	29465	29465	MM80P9BG12
			UNS Number N04400

Material Description

MONEL alloy 400, AIR-ELECTROSLAG REMELTED,, , HOT FIN ROUND, ROUGH T, STRESS RELIEVED, 6.5000, 120.0000-168.0000, IN 2 PCS PC# 121,122 3395 LBS

Specifications

ASTM B 164-03 (2008)/ ASME SB-164 2010 EDITION 11 ADDENDA/ ASTM B 564-10 CHEM ONLY/ ASME SB-564 2010 EDITION 11 ADDENDA CHEM ONLY/ US FED QQ-N-281D AM 2 CL A FM 1 MARKING WAIVED/ NACE MR0175-ISO 15156-3 (2009).



ANALYSIS

NI+CO=64.3

	C %	MN %	FE %	S %	SI %	CU %	NI %
H	.1	1.1	1.54	<.015	.2	32.5	64.2
Method	CS344	ICP	ICP	CS344	ICP	ICP	ICP
	AL %	CO %	P %	PB %	SN %	ZN %	
H	.1	.1	.01	<.006	<.006	.001	
Method	ICP	ICP	ICP	ICP-MS	ICP-MS	ICP-MS	

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Page No. 2 / 3

ANALYSIS METHOD LEGEND

CS344 - Carbon/Sulfur
ICP - Inductively Coupled Plasma

TENSILE TEST

ROOM TEMP TENSILE - LONG|LAB|MECHANICAL

Table with 5 columns: TEMPER TESTED, HARD 1 VALUE, HARD 1 TYPE, TENSILE KSI, YS .2% OFST KSI. Row 1: SR, 80.0, HRB, 85.4, 46.9

Table with 5 columns: YS @ 1% OFST KSI, EFF GA, LGTH IN, REDUCT OF AREA, ELONGATION, ORIENTATION. Row 1: 0.0, 2.000, 73.6, 43.2, LONG

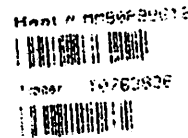
HEAT TREATMENT

Table with 5 columns: FURNACE, TEMP SCALE, TEMP 1 F, TEMP 1 HOLD, HOLD 1 UNITS. Row 1: SF1, F, 1100, 1, HR

CHANGE 1

AC

NO WELDING OR WELD REPAIR WAS PERFORMED.



COUNTRY OF ORIGIN: MELTED AND MANUFACTURED IN THE USA

THIS CERTIFICATION AFFIRMS THAT THE CONTENTS OF THIS REPORT ARE CORRECT AND ACCURATE AND THAT ALL TEST RESULTS AND OPERATIONS PERFORMED BY SPECIAL METALS CORPORATION, INC. OR ITS SUBCONTRACTORS ARE IN COMPLIANCE WITH THE MATERIAL SPECIFICATIONS AND THE SPECIFIC APPLICABLE MATERIAL REQUIREMENTS OF ASME SECTION III.

ASME QUALITY SYSTEMS CERTIFICATE QSC-328, EXPIRES 3/25/2014.

AS APPLICABLE ANY SUBCONTRACTED WORK ALSO COMPLIES WITH CUSTOMER AND ASME SECTION III, NCA 3800 REQUIREMENTS.

QUALITY SYSTEM MEETS REQUIREMENTS OF DIRECTIVE 97-23/EC (PRESSURE EQUIPMENT DIRECTIVE),

ANNEX 1, CHAPTER 4.3 PER ABS GROUP LTD CERTIFICATE 41734 (EXPIRES JULY 30,2014)."

HUNTINGTON ALLOYS CORPORATION IS AN ACCREDITED INDEPENDENT NADCAP MATERIALS TESTING LABORATORY VIA CERTIFICATE NUMBER 127805 (EXPIRES APRIL 30,2013) FOR ALL TESTING SPECIFIED IN THE SCOPE OF ACCREDITATION.

MATERIAL PRODUCED UNDER QA SYSTEM DOCUMENTED IN HUNTINGTON ALLOYS CORP QA MANUAL REV. 49, DATED 2/17/2011

BRIGHTRAY, CORRONEL, FERRY, INCOCLAD, INCOLOY, INCONEL, INCOTHERM, INCO-WELD, KOTHERM, MAXORB, MONEL, NILO, NILOMAG, NIMONIC, NIOOTHERM, NI-SPAN, UDIMET & WIGGIN are trademarks of the Special Metals group of companies



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Page No. 3 / 3

QUALITY SYSTEM CERTIFICATION: ISO 9001:2008 (ABS-QE CERT. 30125); EN 10 204/DIN 50049 (TYPE 3.1)

VISUAL AND DIMENSIONAL EXAMINATION SATISFACTORY.

MATERIAL, WHEN SHIPPED, IS FREE FROM CONTAMINATION BY MERCURY, RADIUM, ALPHA SOURCE, AND LOW MELTING ELEMENTS.

CHEMICAL ANALYSIS AS REQUIRED FOR CARBON, SULFUR, NITROGEN, OR OXYGEN IS PERFORMED BY COMBUSTION TECHNIQUES.

ALL OTHER REPORTED ELEMENTS ARE ANALYZED BY X-RAY AND/OR EMISSION SPECTROSCOPY."

AUTHORIZED QUALITY CERTIFICATION REPRESENTATIVES:

W.E. BOLEN, M.A. MORRISON, D.K. MILLER, R.R. SMITH, G.J. BURKHEAD

Heat # 13214-00
1 2013 01 06 10:10:10
1 2013 01 06 10:10:10
1 2013 01 06 10:10:10

End Of Certificate

This is to certify that all required samplings inspections and tests have been performed in accordance with the order and specification requirements. The test report represents the actual attributes of the material furnished and the values shown are correct and true. The material described by this certificate is in full compliance with all order and inspection requirements. We hereby certify that the figures given are in accordance with the specified contract requirements.

Signed

Handwritten signature: DK Miller

For and on behalf of HUNTINGTON ALLOYS CORPORATION
Authorized Signature

REV. 8/08