MECHANICAL

MECHANICAL PROPERTIES REPORT

ENT BY

EH

P.O. BOX 1401•15700 Texaco Street•Paramount, CA 90723 • (562) 531-7111

Page 1 of 5

NORTH AMERICA MINING GROUP

CUST P.O. SHIPPER/W.O. LAB NO.

¢

NORTH AMERICA MINING GROUP

1601 PACIFIC COAST HIGHWAY

HERMOSA BEACH, CA 90254

MONG DAZHE JOHN

S ASTM-E-8-09
P
E

LOG NO.

282487A

01/25/11

DATE REC.

01/25/11

DATE COMP.

R S 01/26/11

Item Quantity Cust Item Test Description Material

TENSILE

RECEIVED: (1) TEST SAMPLE

1-01

Reqs.	ID	Actual Size (in)	Actual Area (in²)	Yield Load @ .2% (lbs)	Yield Strength @ .2% (psi)	Ultimate Tensile Load (lbs)	Ultimate Tensile Strength (psi)	Elong. △ in 2.000	Elong. %	Reduced Dimension (in)	Reduction of Area (%) Note
	TRANS	0.5010	.19714	40200	204000	48900	248000	.140	7.000	.454	18.0

By:JLM For customer information only

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The recording of false, fictitious, or fraudulent statements or entries on the test report may be punished as a felony under federal law.

Respectfully Submitted,

KENNETH R. JOHN GENERAL MANAGER

Accredited

Naterials Testing Laboratory

Certification Number:
140046 exp. 7/12

P.O. B	OX 1401•	15700 Tex	aco Street∙Pa	aramount, CA 90723 • (5		e 2 of 5	EH
s 1601	HERMOSA BEACH, CA 90254			WONG DAZHE JOHN s ASTM-E-23-07ae1 P	CUST P.O. SHIPPER/W.O. LAB NO. C 7 5 9		
Item	Quantity	Cust Item	Test	Description		Material	01/26/11
1-02		1	MECHANICAL	CHARPY		····	

MECHANICAL PROPERTIES TEST REPORT

RECEIVED: (1) TEST SAMPLE

CHARPY "V" NOTCH IMPACT TEST @ 70°F

TRANSVERSE 10mm X 10mm	IMPACT VALUES	LATERAL EXPANSION	SHEAR FRACTURE
1	9.00 ft/lbs	.006"	<10%
2	10.00 ft/lbs	.004"	<10%
3	8.00 ft/lbs	.004"	<10%
AVERAGE:	9.00 ft/lbs		

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ditedILM/ Jelv Certification Number:

Sabmitted,

P.O. B	OX 1401•1	15700 Tex	aco Street•Pai	ramount, CA 90723 • (562	3 of 5	ENT BY	
s 1601	AMERICA PACIFIC C SA BEACH,	COAST HIG	HWAY	WONG DAZHE JOHN S ASTM-E-112-96 (2004) E C S	SHIPPER/W.O. ASTM-E-3-	C7594	LOG NO. 282487A DATE REC. 01/25/11 DATE COMP. 01/26/11
Item	Quantity	Cust Item	Test	Description		Material	
1-03	1	1	METALLURGICAL	MICRO/GRAIN SIZ	ZE		

METALLURGICAL EVALUATION TEST REPORT

RECEIVED: (1) TEST SAMPLE

MICROSTRUCTURE: CONSISTS OF FINE MARTENSITE WITH SOME FERRITE.

ETCH: 2% NITAL, 12 SECS MAGNIFICATION: 100-500x

GRAIN SIZE @ 100x: #6.5

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Respectfully Submi

By

CENERAL MANAGER

Materials Testing Laboratory
Certification Number:
140046 exp.7/12

P.O. B	OX 1401•	15700 Tex	aco Street•Pai	ramount, CA 90723 • (5	62) 531-7111		ENT BY
					Page	e 4 of 5	EH
s 1601	AMERICA PACIFIC (SA BEACH,	COAST HIG	HWAY	WONG DAZHE JOHN S ASTM-E-10-10 E C S	SHIPPER / W.O.	C7594	LOG NO. 282487A DATE REC. 01/25/11 DATE COMP. 01/26/11
Item	Quantity	Cust Item	Test	Description		Material	
1-04	1	1	METALLURGICAL	HARDNESS			

METALLURGICAL EVALUATION TEST REPORT

RECEIVED: (1) TEST SAMPLE

HARDNESSS: HBW 514 (HRC 52.1)

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Respectfully Submitted

KENNETH R. JOHN

By

P.O. BOX 1401•15700 Texaco Street•Paramount, CA 90723 • (562) 531-7111 ENT BY Page 5 of 5 EHCUST P.O. SHIPPER / W.O. NORTH AMERICA MINING GROUP LAB NO LOG NO. WONG DAZHE JOHN C7594 282487A 1601 PACIFIC COAST HIGHWAY DATE REC. HERMOSA BEACH, CA 90254 01/25/11 DATE COMP. 01/26/11 Item Quantity Cust Item Description Material 1-05 1 1 OILS / SOLUTIONS DENSITY

CERTIFIED TEST REPORT

RECEIVED: (1) TEST SAMPLE

SIZE:

1/2 X 3/4 X THICKNESS

DENSITY:

7.81 g/cc

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GENERAL MANAGER