

Coast Aluminum, Inc

3/18/2024

Customer Name : PMA PHOTOMETALS OF ARIZONA, INC
Attention :
Sales Order # : 6019877
Purchase Order # : 28607
Invoice # :
Reference : From for Order: 6019877

The M.T.R.s you requested are attached.
Thank you for your business!

.071" 302/304 1/2 Hard
S/S
PO. 28607

MAR 19 2024

Ken Stauffer





源鎮鋼鐵股份有限公司
YUEN CHANG STEEL CO., LTD.
Y C S S

檢驗證明書

高雄市前金區中正四路 235 號 13F
13F, No. 235 Jungsiang 4th Road, Chinsai
Chia, Kaohsiung, Taiwan

Certificate No. :11210180002

INSPECTION CERTIFICATE

列印日期 ISSUE DATE : 2023/10/18

客戶名稱 Customer	Mirror Metals, Inc. 350 Hearst Drive, Oxnard, CA 93030, USA					PO.: 822 Pack#: 13166-13172
商品描述 Desc. Of Goods	Prime Cold Rolled Stainless Steel Sheets, Silt Edge 304L 2B Finish With Paper Interleaved					
項目 Item	鋼捲編號 Coil No.	爐號 Heat No.	鋼種 Steel Grade	表面 Finish	產品尺寸 Thickness x Width x Length (GA)	淨重 Net Weight (KGS)
CN025	D7573-031	230426C494	304L	2B	16GA x 48" x 120"	1,757
CO011	27S32032-024	YU102349	304L	2B	14GA x 48" x 120"	1,792
CO012	27S32032-025	YU102349	304L	2B	14GA x 48" x 120"	1,790
CO013	27S32032-027	YU102349	304L	2B	14GA x 48" x 120"	1,792
CO014	ZL448L02-021	ZL448	304L	2B	14GA x 48" x 120"	1,374
	27S32032-026	YU102349	304L	2B	14GA x 48" x 120"	385
CO016	25S28622-035	YU101955	304L	2B	14GA x 48" x 120"	56
	27S32032-028	YU102349	304L	2B	14GA x 48" x 120"	1,737

化學成份 Chemical Composition (%)

Item	C	Si	Mn	P	S	Cr	Ni	Cu	N	Mo
CN025	0.0210	0.35	1.38	0.031	0.0030	18.23	8.01		0.0720	
CO011	0.0210	0.28	0.67	0.032	0.0040	18.43	8.10	0.42	0.0490	0.26
CO012	0.0210	0.28	0.67	0.032	0.0040	18.43	8.10	0.42	0.0490	0.26
CO013	0.0210	0.28	0.67	0.032	0.0040	18.43	8.10	0.42	0.0490	0.26
CO014	0.0210	0.39	1.37	0.035	0.0017	18.17	8.01	0.02	0.0730	0.02
	0.0210	0.28	0.67	0.032	0.0040	18.43	8.10	0.42	0.0490	0.26
CO016	0.0200	0.36	0.85	0.035	0.0080	18.12	8.09	0.52	0.0450	0.29
	0.0210	0.28	0.67	0.032	0.0040	18.43	8.10	0.42	0.0490	0.26

機械性質 Mechanical Properties

Item	T.S N/MM2	Y.S(0.2%) N/MM2	Elong A50(%)	HRBW
CN025	645	297	53.7	84.9
CO011	648	316	51.0	86.0
CO012	648	316	51.0	86.0
CO013	648	316	51.0	86.0
CO014	655	294	51.0	87.0
	648	316	51.0	86.0
CO016	612	281	50.0	80.0
	648	316	51.0	86.0

MAR 19 2024
Ken Starfeld PMA 4

茲證明本廠所產之鋼卷，均經化學成分及機械性質之檢驗，並符合規格之要求。

We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.

本廠所產之鋼卷，均不含汞。The material described above is free from radiation contamination and mercury.

除訂單另有註明外，檢驗位置均在鋼卷之側面及鋼卷之表面。Unless specified on the order, the main side of sheets and plates, or the outside surface of coils and strips is considered the prime surface.

本證明書符合 EN10204/Type 3.1 之規定。Inspection certificate in accordance with EN10204/Type 3.1.

本廠所產之鋼卷均符合 ASTM A240 之規格要求。All the above products conform to the requirements specified in ASTM A240.

QC Manager

Ken Starfeld

Customer Name : PMA PHOTOMETALS OF ARIZONA, INC
Attention :
Sales Order # : 6190807
Purchase Order # : 29174
Invoice # :
Reference : From for Order: 6190807

The M.T.R.s you requested are attached.
Thank you for your business!

* 120" 304 2B S/S
P.O. 29174 Half Hard

OCT 08 2024

Ken Stanfield





檢驗證明書

高雄市的金區中正路 235 號 13F
13F, No. 235 Jangjeng 4th Road, Cinsanjin
Chin, Kaohsiung, Taiwan

Certificate No. :11307310002

INSPECTION CERTIFICATE

列印日期 ISSUE DATE : 2024/08/02

客戶名稱 Customer	Mirror Metals, Inc. 350 Hearst Drive, Oxnard, CA 93030, USA						PO. : 1328 Pack# : 20791-20795	
商品描述 Desc. Of Goods	Prime Cold Rolled Stainless Steel Sheets, Slt Edge 304L 2B Finish With Paper Interleaved 304L NO.4 Finish With Back Pass With Novacel 4228 Fiber Laser PVC On Main Side (Oil Polished Satin 320 Grit)							
項目 Item	鋼捲編號 Coil No.	來源國 Origin	熔煉號 Melting	爐號 Heat No.	鋼種 Steel Grade	表面 Finish	產品尺寸 Thickness x Width x Length (GA)	淨重 Net Weight (KGS)
OE005	35S84210-017 top	Taiwan	Indonesia	TS852C21	304L	2B	11GA x 48" x 120"	353
OE008	35S84210-021	Taiwan	Indonesia	TS852C21	304L	2B	11GA x 48" x 120"	1,768
OE009	35S84207-021	Taiwan	Indonesia	TS854C69	304L	2B	11GA x 48" x 120"	1,768
OE012	35S84210-023	Taiwan	Indonesia	TS852C21	304L	2B	11GA x 48" x 120"	1,765
OE018	35S84207-026	Taiwan	Indonesia	TS854C69	304L	2B	11GA x 48" x 120"	1,768
OE019	35S84207-027	Taiwan	Indonesia	TS854C69	304L	2B	11GA x 48" x 120"	1,768

化學成份 Chemical Composition (%)										
Item	C	Si	Mn	P	S	Cr	Ni	Cu	N	Mo
OE005	0.0220	0.37	1.36	0.032	0.0030	18.03	8.00	0.02	0.0700	0.01
OE008	0.0220	0.37	1.36	0.032	0.0030	18.03	8.00	0.02	0.0700	0.01
OE009	0.0230	0.35	1.40	0.035	0.0030	18.02	8.01	0.03	0.0700	0.01
OE012	0.0220	0.37	1.36	0.032	0.0030	18.03	8.00	0.02	0.0700	0.01
OE018	0.0230	0.35	1.40	0.035	0.0030	18.02	8.01	0.03	0.0700	0.01
OE019	0.0230	0.35	1.40	0.035	0.0030	18.02	8.01	0.03	0.0700	0.01

機械性質 Mechanical Properties				
Item	T.S N/MM2	Y.S(0.2%) N/MM2	Elong AS0(%)	HRBW
OE005	668	305	60.0	86.0
OE008	668	305	60.0	86.0
OE009	665	313	53.0	87.0
OE012	668	305	60.0	86.0
OE018	665	313	53.0	87.0
OE019	665	313	53.0	87.0

OCT 08 2024
Ken Stabile PMA 4

茲證明本單所列產品，均經可溯源檢驗及測試，符合規格之要求。

We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.

本產品經證明淨化，且無不潔之虞。The material described above is free from radiation contamination and mercury.

除訂單另有註明，否則底面或兩面均向表面或底面負責。Unless specified on the order, the main side of sheets and plates, or the outside surface of coils and strips is considered the prime surface.

本證明書符合 EN10204/Type 3.1 規定。Inspection certificate in accordance with EN10204/Type 3.1.

本單所列產品均符合 ASTM A240 規格要求。All the above products conform to the requirements specified in ASTM A240.

QC Manager

John H.

4455 W. MAGNOLIA ST.
PHOENIX, AZ 85043
(602) 278-5052 / PHONE
(602) 278-5056 / FAX



COAST ALUMINUM, INC

CERTIFICATE OF CONFORMANCE

Customer Name: PMA PHOTOMETALS OF ARIZONA, INC.

Address: 18008 N. BLACK CANYON FREEWAY

City, State & Zip: PHOENIX, AZ 85053

Ship To: PMA PHOTOMETALS OF ARIZONA, INC.
18008 N. BLACK CANYON FREEWAY
PHOENIX, AZ 85053

Reference: SHIPPER 6190807

PO Number: **29174**

Part Number: 11GA3042B

Mill Name: MIRROR METALS

Lot Number: TS854BC69

Piece Count: 1

Description: 11GA (.120") 48" X 120" SHEET 304 2B

Specifications: ASTM A240

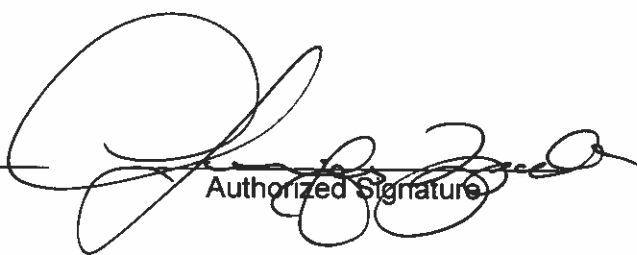
OCT 08 2024

Ken Stork 

Coast Aluminum does hereby certify that the material covered by this certification has been tested with the above specifications and has been found to meet the applicable requirements for the material on the above order. Supporting data for processing, testing and inspection is on file at this facility and is available for examination.

Jennifer Zepeda

Name (Printed)


Authorized Signature

SHIPPING & RECEIVING CLERK

Title

October 7, 2024

Date

Coast Aluminum, Inc

1/10/2025

Customer Name : PMA PHOTOMETALS OF ARIZONA, INC
Attention :
Sales Order # : 6264350
Purchase Order # : 29336
Invoice # :
Reference : From for Order: 6264350

The M.T.R.s you requested are attached.
Thank you for your business!

030"
304 2B S/S
1.748 LBS

JAN 13 2025

Ken Stark





檢驗證明書

高雄市前金區中正西路 235 號 13F
13F, No. 235 Jungzeng 4th Road, Chinpin
Chi, Kaohsiung, Taiwan

CM100-02

Certificate No. :11307030003

INSPECTION CERTIFICATE

列印日期 ISSUE DATE : 2024/07/04

客戶名稱 Customer	Mirror Metals, Inc. 350 Hearst Drive, Oxnard, CA 93030, USA						PO. : 1290, 1292, 1293, 1294 Pack# : 20114-20124	
商品描述 Desc. Of Goods	Prime Cold Rolled Stainless Steel Sheets, 56k Edge 304L 2B Finish With Paper Interleaved							
項目 Item	鋼捲編號 Coil No.	來源區 Origin	熔煉區 Melting	爐號 Heat No.	鋼種 Steel Grade	表面 Finish	產品尺寸 Thickness x Width x Length (GA)	淨重 Net Weight (KGS)
NR001	35S53261-008	Taiwan	Indonesia	TS84UC07	304L	2B	24GA x 48" x 120"	1,651
NR002	35S53261-010	Taiwan	Indonesia	TS84UC07	304L	2B	24GA x 48" x 120"	1,653
NS001	ZP930L048-020	Taiwan	Indonesia	ZP930	304L	2B	22GA x 48" x 120"	1,748
NS002	ZP930L048-022	Taiwan	Indonesia	ZP930	304L	2B	22GA x 48" x 120"	1,749
NO007	34S49381-025	Taiwan	Taiwan	YU296390	304L	2B	18GA x 48" x 144"	1,766
NE001	E5312-017	Taiwan	Indonesia	240422C212	304L	2B	14GA x 48" x 120"	1,775
NE002	E5312-018	Taiwan	Indonesia	240422C212	304L	2B	14GA x 48" x 120"	1,780
NE003	E5312-019	Taiwan	Indonesia	240422C212	304L	2B	14GA x 48" x 120"	1,778

化學成份 Chemical Composition (%)

Item	C	Si	Mn	P	S	Cr	Ni	Cu	N	Mo
NR001	0.0200	0.44	1.41	0.036	0.0020	18.01	8.01	0.02	0.0690	0.01
NR002	0.0200	0.44	1.41	0.036	0.0020	18.01	8.01	0.02	0.0690	0.01
NS001	0.0260	0.37	1.35	0.032	0.0013	18.10	8.00	0.03	0.0650	0.01
NS002	0.0260	0.37	1.35	0.032	0.0013	18.10	8.00	0.03	0.0650	0.01
NO007	0.0190	0.41	0.60	0.034	0.0020	18.03	8.00	0.35	0.0460	0.23
NE001	0.0270	0.38	1.39	0.036	0.0020	18.02	8.01		0.0650	
NE002	0.0270	0.38	1.39	0.036	0.0020	18.02	8.01		0.0650	
NE003	0.0270	0.38	1.39	0.036	0.0020	18.02	8.01		0.0650	

機械性質 Mechanical Properties

Item	T.S N/MM2	Y.S(0.2%) N/MM2	Elong A50(%)	HRBW	HRB	HV
NR001	554	315	54.0		88.0	
NR002	654	315	54.0		88.0	
NS001	660	286	54.0			161
NS002	660	286	54.0			161
NO007	605	266	56.0		80.0	
NE001	644	261	54.3	81.2		
NE002	644	261	54.3	81.2		
NE003	644	261	54.3	81.2		

JAN 13 2025

Ken Starbuck PMA 4

茲聲明本廠所製造之鋼捲均經檢驗合格，並符合規格之要求。

We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirements of the above material specification.

本產品無有害物質，且不含汞。The material described above is free from cadmium contamination and mercury.

以上所列之鋼捲，係按照正反面之鋼捲表面之鋼捲表面之鋼捲表面。Unless specified on the order, the main side of sheets and plates, or the outside surface of coils and strips is considered the prime surface.

本證明書符合 EN10204/Type 3.1 規定。Inspection certificate in accordance with EN10204/Type 3.1.

本證明書符合 ASTM A240 之要求。All the above products conform to the requirements specified in ASTM A240.

QC Manager

Joe H.

4455 W. MAGNOLIA ST.
PHOENIX, AZ 85043
(602) 278-5052 / PHONE
(602) 278-5056 / FAX



COAST ALUMINUM, INC

CERTIFICATE OF CONFORMANCE

Customer Name: PMA PHOTOMETALS OF ARIZONA INC

Address: 18008 N BLACK CANYON FREEWAY

City, State & Zip: PHOENIX, AZ 85053

Ship To: PMA PHOTOMETALS OF ARIZONA INC
18008 N BLACK CANYON FREEWAY
PHOENIX, AZ 85053

Reference: 6264350

PO Number: 29336

Part Number: 22GA3042B

Mill Name: MIRROR METALS

Lot Number: ZP930

Piece Count: 8

Description: 22GA (.030") X 48 " X 120" SHEET 304 2B

Specifications: ASTM A240

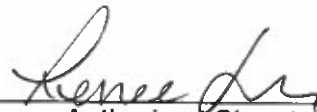
JAN 13 2025

Ken Stambel 

Coast Aluminum does hereby certify that the material covered by this certification has been tested with the above specifications and has been found to meet the applicable requirements for the material on the above order. Supporting data for processing, testing and inspection is on file at this facility and is available for examination.

RENEE LEON

Name (Printed)



Authorized Signature

SHIPPING & RECEIVING MANAGER

Title

JANUARY 10TH, 2025

Date

CERTIFICATE OF TEST



5721 SCHAEFER AVE. CHINO, CA. 91710
TEL: (909) 393-2273 FAX: (909) 393-2811

Web: www.ThinMetalSales.com / Email: Sales@ThinMetalSales.com

TMS LOT NUMBER
113763

CUSTOMER:	PMA INDUSTRIES INC.
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MATERIAL:	C.R. STAINLESS STEEL	CUSTOMER P.O.#:	29333
TYPE:	T302/304	DATE SHIPPED:	01/02/24
FINISH:	2TR	TMS SALES ORDER #:	126411
SIZE:	.020 X 24" X 120"	MELT MILL SOURCE:	NORTH AMERICAN STAINLESS (USA)
# OF UNITS:	8 SHEETS	MILL SOURCE:	WIELAND ROLLED PRODUCTS NA (USA)
NET WEIGHT:	134#	MILL HEAT NUMBER:	BE6B

SPECIFICATION:	AMS-5904D AMS-5911C ASTM-A-666-24
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PHYSICAL PROPERTIES

TEMPER:	HALF HARD
HARDNESS:	HR15N(79) HRC38
ULTIMATE TENSILE	167,000 / 169,000
YIELD STRENGTH @ .2% OFFSET	151,000
PERCENT ELONGATION IN 2 INCHES	10.0%
BEND TEST	OK
EMBRITTLEMENT	
ASTM GRAIN SIZE	

CHEMICAL PROPERTIES

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	N
.0599	1.6805	.0305	.001	.37	18.051	8.1045	.354	.4315	.0635

Al	Ti	Co	Fe						
		.1635	REM.						

* Tensile & Yield Strength reported in PSI.

* Hardness conversion using ASTM-E-140.

* Country of Origin specified in Parenthesis. Material complies with DFARS Sections 252.225-7008 & 252.225-7009 (JUL 2009) if melted in the USA or a qualifying country according to DFARS. Qualifying countries are listed in the Defense Federal Acquisition Regulation Supplement.

* RoHS Compliance available upon request.

* Mercury Free Statement: This material was not knowingly exposed to mercury /mercury products while being processed at TMS. We certify this to be a true and just copy of the chemical and mechanical properties as recorded in our company files.

DATE: January 2, 2024

Richard Rennwald
RICHARD RENNWALD
QUALITY MANAGER

JAN 22 2025
Ken Stanford (PMA 4)



8635 White Oak Avenue
Rancho Cucamonga, CA 91730
Tel: (909) 484-3124 / (800) 992-5015
Web: www.brownmembers.com | www.sldecuts.com

Certificate of Test / Conformance
Certificate Number: 252691-1

BMC Lot Receipt

24-335

SOLD TO:

THIN METAL SALES INC
5721 SCHAEFER AVENUE
CHINO, CA 91710

SHIP TO:

THIN METAL SALES INC
5721 SCHAEFER AVENUE ATTN: JON
CHINO, CA 91710

Sales Order:	306373	Customer PO:	0113763
Material:	Cold Rolled Stainless Steel	Job Number:	383836
Type:	302 / 304	Date Shipped:	9/24/2024
Finish:	2TR Ra:8 µin.	Supplier Reference:	WY2MB
Size:	.020 X 24"	Supplier Source (1):	Wieland Rolled Products NA (USA)
No. of Coils:	1	Melt Mill Source (1):	North American Stainless (USA)
Net Weight:	525.000#	Heat Number:	BE6B

UNS Number: 302=S30200 | 304=S30400

Specifications: AMS-5904D | AMS-5911C | ASTM-A-666-24 |

MECHANICAL PROPERTIES

Condition/Temper:	Half Hard
Hardness(2):	HR15N(79) HRC38
Ultimate Tensile Strength(3):	167,000/169,000
Yield Strength @ .2% offset(3):	151,000
Percent Elongation in 2 inches:	10.0 %
Bend Test:	OK
Corrosion ASTM A262 Pr. E(5):	
ASTM Grain Size:	

CHEMICAL PROPERTIES

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	N	Co	Fe
.0599	1.6805	.0305	.001	.37	18.051	8.1045	.354	.4315	.0635	.1635	Bal

(1) Country of Origin specified in parenthesis. Material complies with DFARS Sections 252.225-7008 & 252.225-7009 (APR 2020) if melted in the USA or a qualifying country according to DFARS. (2) Hardness conversion using ASTM-E-140. Measured value reported within parenthesis. (3) Tensile & Yield Strength reported in PSI. (4) If requested, tolerances, camber and other measurement readings are reported in inches. (5) Corrosion ASTM A262 Pr. E may also be referred to as Embrittlement.

Date: September 24, 2024

Max Brown
Brown Metals Company Quality Control Clerk

EN 10204:2005 3.1 Certificate. Brown Metals Company does not use mercury in the production of its products. Brown Metals Company is an AS9100 and ISO9001 registered company. Please visit www.brownmembers.com/compliance for OSHA, AS9100, ISO9001, SDS, RoHS, REACH, and other statements of compliance. No welds/weld repairs performed except for oscillate wound coils/spools when agreed upon by the customer. The mechanical and chemical properties on this certificate are derived directly from the manufacturers' Certificate of Test (available upon request). We certify that the information contained on this certificate is a true copy of the data on file and that the material conforms to the specifications listed. This Certificate of Test / Conformance shall not be reproduced except in full. Federal law prohibits the recording of false, fictitious, or fraudulent statements or entries on the certificate and may be punishable as a felony under Federal law.

Issued: 9/24/2024 1:01:55 PM Version: 24.09.06

JAN 22 2025
Ken Stabld



113763

Wieland Rolled Products North America, LLC, Waterbury, CT

Brown Metals Company
8635 White Oak Avenue
Rancho Cucamonga CA 91730

Your order No.	26302
Date	Jun 25, 2024
Your material No.	302/304HH020
Our confirmation No.	2410001346 001
Our delivery note No.	2480002029 010
Quantity delivered	5500 LBS
Date	Sep 17, 2024

Inspection certificate 3.1 as per EN 10204 : 2004

Product:
Bare strip
Material:
Wieland P11 SS304
Temper: 1/2-hard

Dimensions:
Dim A: 0.02 in
Dim B: 36 in
Dim C:
Dim D:

Specification:	Revision/Date of issue:	Temper designation
Chem. Analysis: ASTM A666	-24	
Mech. parameters: ASTM A666	-24	1/2 HARD
Further specifications: AMS 5904D, 5911C		

Remarks:
Alloy: SS302/304
Finish: 2TR
Heat BE6B - North American Stainless
Melted in the USA - DFARS Compliant; HRB, HRC, or HRF converted per ASTM E140 from HV, 15T, or 15N

Coil-No. WY2MB
Heat-No. NSBE6B
Prod-No. 57002925

Chemical composition as 3.1 EN 10204 : 2004

The sum of the other elements corresponds to what is specified in the chemical standard.

Cu Copper	Fe Iron	Ni Nickel
P Phosphorus	S Sulphur	C Carbon
Co Cobalt		

Specified values:

Parameter tested (in %)	Cu	Fe	Ni	P	S	C	Co
Minimum/Reference(R)							
Maximum/Reference(R)							

JAN 22 2025

Ken Stambold (PMA 4)

Brown Metals Company

Page 2 of 3

Your order No.	26302
Date	Jun 25, 2024
Your material No.	302/304 HH020

Our confirmation No.	2410001346 001
Our delivery note No.	2480002029 010
Quantity delivered	5500 LBS
Date	Sep 17, 2024

Inspection certificate 3.1 as per EN 10204 : 2004

Measured values:*

Heat/Lot No.

NSBE6B	0.4315	balance	8.1045	0.0305	0.001	0.0599	0.1635
Cr Chromium	Mn Manganese		Si Silicon				
Mo Molybdenum content	N Nitrogen content						

Specified values:

Parameter tested (in %)	Cr	Mn	Si	Mo	N
Minimum/Reference(R)					
Maximum/Reference(R)					

Measured values:*

Heat/Lot No.

NSBE6B	18.051	1.6805	0.37	0.354	0.0635
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Mechanical testing

HRC Rockwell hardness HRC	HR15N Rockwell hardness HR15N	XQURM Tensile Strength Transverse
XQURP2 0.2%Yield Strength Transverse	QUA2" Elongation A2" Transverse	

Specified values:

Parameter tested	HRC	HR15N	XQURM	XQURP2	QUA2"
Unit			KSI	KSI	%
Minimum/Reference(R)			150	110	10
Maximum/Reference(R)					

Measured values:

sample number

WY2MB.0005_1	38	79	167	151	10
WY2MB.0006_1			169	151	10

JAN 22 2025

Ken Stanfield



JAN 22

Brown Metals Company

Page 3 of 3

Your order No.	26302
Date	Jun 25, 2024
Your material No.	302/304HH020

Our confirmation No.	2410001346 001
Our delivery note No.	2480002029 010
Quantity delivered	5500 LBS
Date	Sep 17, 2024

Inspection certificate 3.1 as per EN 10204 : 2004

Further inspections

Test method	Unit	Specified Reference(R)		Measured	
		Min.	Max.		
180° bend test parallel D=2T				Result good	
Ra - arithmetic average roughness Parallel	μinch			4.0	5.0
Ra - arithmetic average roughness Transverse	μinch			8.0	8.0

Method of control of dimensions

Test method	Unit	Specified Reference(R)		Measured	
		Min.	Max.		
Gauge	in	0.01900	0.02100	0.01985	0.02000

Attestation of conformity

As manufacturer we declare that the products described herein comply with the specifications agreed with the purchaser, with the above-mentioned standards, descriptions, quantity and the data indicated in this certificate.

These products have been manufactured under a quality system certified to ISO 9001:2015. Our quality system is audited regularly (ABS Quality Evaluations Certificate No. 30634).

The results of the chemical analysis, of the mechanical/technical and physical tests have been obtained by the certified test laboratory.

Regarding Cd and Pb the shipment is in compliance per RoHS, ELV and WEEE requirements.

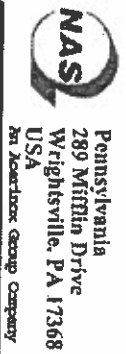
Strip and sheet in copper and copper alloys do not contain: Cr(VI) and its compounds CFC, HCFC, PCB, PCN, CP, Mirex, PBB, PBDE, TBBP - A - bis, organic tin compounds, asbestos and Azo-compounds, Hg - analyses on sample show values < 0.0005 % (m/m).

*In the case of several rows per casting number, the first row contains the smallest and the second row the largest measured values of chemical composition.

Glenn Meier (Inspection Representative)
Telephone: +12035975088
e-mail: glenn.meier@wieland.com
Computer-generated inspection certificate

JAN 22 2025

Ken Staudt 



METALLURGICAL TEST REPORT

6870 Highway 42 East
Cheney KY 41045-9615
(502) 347-6000

Certificate: 921438 1 Mail To: WIELAND ROLLED PRODUCTS NORTH AMERICA
Customer: 000085 001 OLIN BRASS
215 PIEDMONT STREET
WATERBURY, CT 06720
Ship To: WIELAND ROLLED PRODUCTS NORTH AMERICA
BRASS DIVISION OLIN CORP.
BALDWIN AVENUE DATE 2
WATERBURY, CT 06720
Date: 5/20/2024 Page: 1
Steel: 304
Finish: 2B
Corrosion: ASTM A262/21 A.180Bend-C

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED, UNS 30400
ASTM A240/23, A480/23, A666/23, ASME SA240/23, SA480/23, SA666/19
CHEM ONLY OR FOLLOWING ASTM: A276/17, A479/23, A484/23, A312/22a
CHEM ONLY OR FOLLOWING ASME: SA312/23, SA479/23
AMS 5513X XMRK: MIL-S-5059D AMEND3 (X CROWN WEAS)
MACE MR0175/01, MR0103/07, Q00766D-A X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED
Somers Spec 30400 Rev L; Number #2006

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1, ROHS 1, 2 & 3 Compliant
Material is Free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001
*Melted & Manufactured in the USA; Mat'l is DPA's Compliant
Federal law prohibits the recording of false, fictitious, or
fraudulent statements or entries on the certificate and may
be punishable as a felony under federal law.

Product Id	Coil #	Skid #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
03B6B A	03B6B		.0449	37.0000	13.200	COIL		1	SPEC 2006

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

ANAB, ISO/IEC 17025, Certificate# 12323
Chemical Analysis per ASTM A751/20

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
B6B	US	.0599	.1635	18.0510	.4315	1.6605	.3540	.0635	8.1045	.0305
		PB %	S %	SI %						
		.0010	.0010	.3700						

MECHANICAL PROPERTIES

Product Id#	1 d	UTS	20C .2% YS	20C ELONG	% Hard	RB	Tail	Hard	NMT A	heavy	NMT B	heavy	NMT C	heavy	NMT D	heavy
03B6B A	B T	98.22	45.95	54.29	81.50											
03B6B A	F T	104.25	45.73	47.99	90.50											
03B6B A	F T	103.33	56.10	47.99	90.50											

JAN 20 2025

Don Spalding PMA A

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical Dept. Mgr.

DANIEL HARGETT

5/20/2024



METALLURGICAL TEST REPORT

6870 Highway 42 East
Chen, KY 41045-9615
(502) 347-6000

For Nondestructive Group Company

Certificate: 921438 1 Mail To: WIELAND ROLLED PRODUCTS NORTH AMERICA
Customer: 000085 001 OLIN BRASS
215 PIEDMONT STREET
WATERBURY, CT 06720
Ship To: WIELAND ROLLED PRODUCTS NORTH AMERICA
BRASS DIVISION OLIN CORP.
BALDWIN AVENUE GATE 2
WATERBURY, CT 06720
Date: 5/20/2024 Page: 2
Steel: 304
Finish: 2B
Your Order: 4509263251
NAS Order: WN 0142357 01
Corrosion: ASTM A262/21 A, 1B0Bend-C

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED, UNS 30400
ASTM A240/23, A480/23, A666/23, ASME SA240/23, SA666/19
CHEM ONLY ON FOLLOWING ASTM: A276/17, A479/23, A484/23, A312/22a
CHEM ONLY ON FOLLOWING ASME: SA312/23, SA479/23
AMS 5513H XMRK, MIL-B-5059D AMEND3 (X CROWN MEAS)
NACE MR0175/01, MR0103/07; Q09766D-A X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED
Somers Spec 30400 Rev L; Number #2006

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1; ROHS 1, 2 & 3 Compliant
Material is Free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001
*Melted & Manufactured in the USA; Mat'l is DPAAS Compliant
Federal law prohibits the recording of false, fictitious, or
fraudulent statements or entries on the certificate and may
be punishable as a felony under federal law.

Product Id	Coil #	Skid #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
03BE6B A	03BE6B		.0449	37.0000	13,200	COIL		1	SPEC 2006

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) ANAB, ISO/IRG 17025, Certificate# I2323
Chemical Analysis per ASTM A751/20

HEAT	CM
BE6B	US

MECHANICAL PROPERTIES

Product Id#	1 d o i c i No.	Grain No.	A 262 Pr A
03BE6B A	PT	9.00	OK

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr. DANIEL HARGRETT
5/20/2024

JAN 22 2025
Ren Staufel PMA 4

Batch CN222801RE

REVERE COPPER PRODUCTS, INC.

ADDRESS ASHLEY MOORE
INQUIRY ONE REVERE PARK
TO ROME, NY 13440-5561



REPORT DATE 11/07/2022

PAGE 1

REVERE NO 46377

EN 10204:2004-3 1

CUSTOMER DATE	CUSTOMER ORDER NUMBER
11/07/2022	4501344152
CUSTOMER CODE	CUSTOMER PART NUMBER
103975038	313640

10

CERTIFICATE OF TEST

SOLD TO

CAMBRIDGE-LEE INDUSTRIES INC.
ATTN: ACCOUNTS PAYABLE
86 TUBE DRIVE
READING, PA 19605

SHIP TO

CAMBRIDGE LEE INDUSTRIES LLC
CAMBRIDGE LEE MIRA LOMA, CA
1390 S TIPPECANOE AVE
SAN BERNARDINO, CA 92408

ITEM NO.	DESCRIPTION			
02420	REVERE C11000 CR CU SHT TO ASTM B-152 110 CR .0625X 36X 96			
ALLOY: C11000 TEMPER: H00 1/8 Hard SPECS ASTM B152/B152M-19				
CHEMICAL ANALYSIS				
HEAT#/LOT	CU			
*249925	99.96%			
CU INCLUDES- +AG				
PHYSICAL ANALYSIS				
HEAT#/LOT	HARDNESS	TENSILE	ELONG	COND
	RF	KSI	% IN 2"	% IACS
*249925	80	36.8	34	101.1
WE CERTIFY THAT THE FOREGOING RESULTS ARE CORRECT AND THAT THIS MATERIAL HAS BEEN PROCESSED, INSPECTED, AND TESTED IN COMPLIANCE WITH THE REQUIREMENTS OF YOUR PURCHASE ORDER, AND WITH THE SPECIFICATION REQUIREMENTS OF THE STATED REVISION OR THE REVISION IN EFFECT ON THE DATE OF SHIPMENT IF NO REVISION IS STATED. THIS MATERIAL HAS NOT COME IN CONTACT WITH FREE MERCURY DURING THE MANUFACTURING PROCESS.				
Quality Assurance Manager Julie J. Jeannotte				
525049 CU408 HN# CN222801RE PO# 102140				



Julie J. Jeannotte

Heat / Lot numbers preceded by an asterisk were Melted and Manufactured in the U.S.A.

JUN 27 2024

Ken Staupold





PURCHASE ORDER REQUISITION

Vendor

Coast Alum

First Article Required

200

Requestor

二五

Fixed Asset

Need Date	PIMA Item Number	Vendor Item Number	Description	Qty	UOM	Unit Cost	Job Number
7-3-24			.064" 110 Copper 36"x96"	2	Sheets		
			PO 20965				
			Received 6-26-24				

Purpose of Expense

Associated Sign Company 24460-001 / 5 Stock

Approved By

4455 W. MAGNOLIA ST.
PHOENIX, AZ 85043
(602) 278-5052 / PHONE
(602) 278-5056 / FAX



COAST ALUMINUM, INC

CERTIFICATE OF CONFORMANCE

Customer Name: PMA PHOTOMETALS OF ARIZONA, INC.

Address: 18008 N. BLACK CANYON FREEWAY

City, State & Zip: PHOENIX, AZ 85053

Ship To: PMA PHOTOMETALS OF ARIZONA, INC.
18008 N. BLACK CANYON FREEWAY
PHOENIX, AZ 85053

Reference: SHIPPER 6097199

PO Number: 28889

Part Number: 080SH52

Mill Name: SINOPEC RESOURCES

Lot Number: 5094306

Piece Count: 1

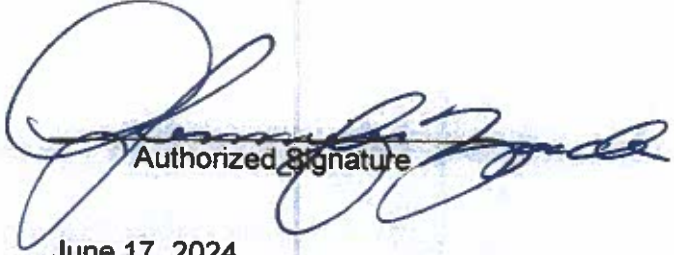
Description: .080 X 48" X 96" FLAT SHEET 5052 H32

Specifications: ASTM B209-21A

Coast Aluminum does hereby certify that the material covered by this certification has been tested with the above specifications and has been found to meet the applicable requirements for the material on the above order. Supporting data for processing, testing and inspection is on file at this facility and is available for examination.

Jennifer Zepeda

Name (Printed)


Authorized Signature

SHIPPING & RECEIVING CLERK

Title

June 17, 2024

Date

JUN 19 2024

Ken Stauffer 



البحرين
Gulf Aluminum Rolling Mill B.S.C.
Bahrain

TEST CERTIFICATE

Rn 10204-3.1

CERTIFICATE#	1079015	ORDER#	GS82383 13
CREATION DATE:	27-12-2023	SHIPMENT#	88001
CUSTOMER P.O. NUMBERS:	SL-POC004128		

ULTIMATE CONSIGNEE

SINOPEC
SINOPEC RESOURCES LLC
1901 GREEN ROAD BAY
POMPANO BEACH
FL
U.S.A.

ORDER DETAIL:

PRODUCT TYPE: Aluminium Sheet Mill Finish
ALLOY 5052 TEMPER H32 STANDARD B209M-21A
GAUGE: 0.080 IN WIDTH: 48.00 IN LENGTH: 96.00 IN

CUSTOMER NAME & ADDRESS

SINOPEC
SINOPEC RESOURCES LLC
1901 GREEN ROAD BAY
POMPANO BEACH
FL
U.S.A.

We hereby certify that the material described herein fulfils the customer order requirements.

METALLURGY And QUALITY Manager

M. Lyne

PACKING LIST#

G352337

MECHANICAL TEST

TENSION TEST

Remarks

	Tensile Strength	Yield Strength	Elongation
Units	KSI	KSI	%
Specified Minimum	31.0	23.0	7.00
Specified Maximum	30.0		

Meets AA, ASTM B209-21A, AMS-QQ-A-250/8C and AMS 4015M Melt and manufactured in Bahrain.

PACKAGE NUMBERS

SLAB#

TEST#

1907793	5094306	1039650-N	35	29.7	11.70
1907794	5094306	1039650-T	36	29.9	11.10
		1039650-N	35	29.7	11.70
		1039650-T	36	29.9	11.10

REMARKS:
Gulf Aluminium Rolling Mill B.S.C products are produced out of slabs inhouse or from local smelters located in Bahrain.
Our ingot recovery is 100 % produced in Bahrain.
Country of Largest Smelt: BAHRAIN
Country of Second Largest Smelt: BAHRAIN
Country of Most Recent Cast: BAHRAIN

SHIPPING REFERENCE : 23 07038

CHEMICAL ANALYSIS

Others

SLAB#	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Each	Total	Al
Spec. Min.	0.000	0.000	0.000	0.030	2.20	0.150	0.300	0.000	0.000	0.000	REM
Spec. Max.	0.250	0.400	0.100	0.100	2.80	0.350	0.100		0.050	0.150	
5094306	0.091	0.301	0.023	0.047	2.37	0.180	0.055	0.022	0.000	0.000	

JUN 19 2024

Steve Stanford PMA 4

4455 W. MAGNOLIA ST.
PHOENIX, AZ 85043
(602) 278-5052 / PHONE
(602) 278-5056 / FAX



COAST ALUMINUM, INC

CERTIFICATE OF CONFORMANCE

Customer Name: PMA PHOTOMETALS OF ARIZONA INC

Address: 18008 N BLACK CANYON FREEWAY

City, State & Zip: PHOENIX, AZ 85053

Ship To: PMA PHOTOMETALS OF ARIZONA INC
18008 N BLACK CANYON FREEWAY
PHOENIX, AZ 85053

Reference: 6062425

PO Number: 28793

Part Number: 032SH52

Mill Name: ALUDIUM

Lot Number: 14064

Piece Count: 3

Description: .032 X 36" X 120" FLAT SHEET 5052-H32

Specifications: ASTM B209-14

Coast Aluminum does hereby certify that the material covered by this certification has been tested with the above specifications and has been found to meet the applicable requirements for the material on the above order. Supporting data for processing, testing and inspection is on file at this facility and is available for examination.

DANIELA SERRANO

Name (Printed)

Danni Serrano

Authorized Signature

SHIPPING CLERK

Title

MAY 21, 2024

Date

MAY 21 2024

Ken Stauffer





45199-39

REP039 - 2756458
537831

QUALITY CERTIFICATE

Coast Aluminum and Architectural, Inc.
10628 Fulton Wells Ave
90670 Santa Fe Springs
UNITED STATES

EN 10204 3.1
Order Number Aludium 156986
Date 02/16/2021
Certificate Number 163376 - 163375
Shipment Doc. Reference 163375

Your Order No	Your Article	Your Alloy	Your Temper	Quantity (lb)
Y5199	025CLS2 - S052 H32 MF .032 X 36"	S052	H32	5.864
Global Specification S052 H32 MF 0.032 x 36 "				

Chemical Composition									S052
Cast	Pit	SO	%Si	%Fe	%Cu	%Mn	%Mg	%Cr	%Zn
14064	2	457931	0.15	0.26	0.02	0.06	2.3	0.18	0.03
Limit									
			Min.				2.2	0.15	
			Max.	0.25	0.40	0.10	0.10	2.8	0.35

Mechanical Properties						
Cast	Pit	SO	Pallet	Tensile Str	Yield Str	A2In
				ksi	0.2% ksi	%
14064	2	457931	1819814	33.8	27.7	10
Limit						
				Min.	23.0	S
				Max.	38.0	
Sample Direction				LONGITUDINAL		

The weight by pallet is calculated in Aludium's scales based on internal Unit of measure (kgs), the conversion to Pounds has been done taking the international standard conversion factor, not based on scales in pounds.

Material produced according to ASTM B209-14,
AMS-QQ-A-250/BC, AMS4016M and order requirements

MAY 21 2024

Ken Stauffer



Approved by:
Rafaela Zúñiga Sustache
Laboratory Manager

Rafaela Zúñiga Sustache
28340 Gurebieta (Vizcaya)
Spain

T +34 944 887 400
info@aludium.com
www.aludium.com

4455 W. MAGNOLIA ST.
PHOENIX, AZ 85043
(602) 278-5052 / PHONE
(602) 278-5056 / FAX



COAST ALUMINUM, INC

CERTIFICATE OF CONFORMANCE

Customer Name: PMA PHOTOMETALS OF ARIZONA, INC

Address: 18008 N. BLACK CANYON FREEWAY

City, State & Zip: PHOENIX, AZ 85053

Ship To: PMA PHOTOMETALS OF ARIZONA, INC
18008 N. BLACK CANYON FREEWAY
PHOENIX, AZ 85053

Reference: 6194628

PO Number: 29179

Part Number: 14PL52

Mill Name: CONSTELLIUM

Lot Number: 9187982

Piece Count: 1

Description: .250 (.249) SHEET 5052-H32 48"X120"

Specifications: ASTM B209-21A

Coast Aluminum does hereby certify that the material covered by this certification has been tested with the above specifications and has been found to meet the applicable requirements for the material on the above order. Supporting data for processing, testing and inspection is on file at this facility and is available for examination.

DANIELA SERRANO

Name (Printed)

Authorized Signature

SHIPPING & RECEIVING CLERK

OCTOBER 10, 2024

OCT 11 2024

Ken Stankula



Constellium



CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

S
H
I
P
T
O

COAST ALUMINUM

18805 80TH PLACE ST., SUITE B
KENT WA
98032
US

S
O
L
D
T
O

COAST ALUMINUM &
ARCHITECTURAL

10628 FULTON WELLS AVE
SANTA FE SPRINGS CA
90670
US

COAST ALUM		111219855		4330		INCLUSION		Serial:20240730-0111219855		Pg 1of2	
CUSTOMER PURCHASE ORDER NO. & ITEM BX007 - 07						Constellium ORDER NO. 425110					
ALLOY 5052	CLAD	TEMPER H32	GAUGE 0.25000 in 6.35 mm	WIDTH 48.00000 in 1,219 mm	LENGTH 0.00000 in 0 mm		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Steve Good - Laboratory Manager				
ITEM ORDERED COIL UNLEVELED=73.5 MILL FINISH											
CUSTOMER SPECIFICATION ASTM B209-21A											
PART NUMBER 14CL52		B/L NUMBER 207839		DATE SHIPPED 07/30/2024							
WT. SHIPPED 8342.000 LB		NO. OF PIECES 000001		GOVT. CONTRACT NO.							

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

AMS 4016M
AMS QQ-A-250/8C

Load Details

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1003486433	8,342.000	3,783.864	9187982	01		

Lot: 9187982 (See test results below)

Tensile - Room Temperature (US)

Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
		Min	Max	Min	Max	Min	Max	
L	02	32.3	32.3	25.9	27.0	13.5	14.0	

Tensile - Room Temperature (SI)

Direction	Tests	Ultimate (MPa)		Yield (MPa)		Elongation (%)		Report
		Min	Max	Min	Max	Min	Max	
L	02	223	223	179	186	13.5	14.0	

Constellium testing performed at 859 Century Rd, Ravenswood WV 26164

OCT 11 2024

Ken Stankulic





Constellium



CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

S
H
I
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T
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COAST ALUMINUM

18805 80TH PLACE ST., SUITE B
KENT WA
98032
US

S
O
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D
T
O

COAST ALUMINUM &
ARCHITECTURAL

10628 FULTON WELLS AVE
SANTA FE SPRINGS CA
90670
US

COAST ALUM		111219655		4330		INCLUSION		Serial: 20240730-0111219655		Pg 2 of 2	
CUSTOMER PURCHASE ORDER NO. & ITEM BX007						Constellium ORDER NO. 425110					
ALLOY 5052	CLAD	TEMPER H32	GAUGE 0.25000 in 6.35 mm	WIDTH 48.00000 in 1.219 mm	LENGTH 0.00000 in 0 mm		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Steve Good - Laboratory Manager				
ITEM ORDERED COIL UNLEVELED=473.5 MILL FINISH											
CUSTOMER SPECIFICATION ASTM B209-21A											
PART NUMBER 14CL52		B/L NUMBER 207839		DATE SHIPPED 07/30/2024							
WT. SHIPPED 8342.000 LB		NO. OF PIECES 000001		GOVT. CONTRACT NO.							

Chemistry (Actual)

	SI	FE	CU	MN	MG	CR	ZN
Core	0.13	0.25	0.05	0.05	2.67	0.20	0.02

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

Material chemistry source: Constellium - 859 Century Rd, Ravenswood WV 26164

Country of smelt for the largest volume of primary aluminum: Canada

Country of smelt for the second largest volume of primary aluminum: United Arab Emirates

All material contained in this lot was cast and manufactured in the USA

OCT 11 2024 

THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CHEMISTRY BY OES: ARKSPARK TESTED PER ASTM E1261

CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT

WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399

WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8: B557

Tensile not tested in accordance with NADCAP

DUNS Number: 090570149; CAGE Code: 1YW19

Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.

"END OF CERTIFICATION"

4455 W. MAGNOLIA ST.
PHOENIX, AZ 85043
(602) 278-5052 / PHONE
(602) 278-5056 / FAX



COAST ALUMINUM, INC

CERTIFICATE OF CONFORMANCE

Customer Name: PMA PHOTOMETALS OF ARIZONA, INC.

Address: 18008 N. BLACK CANYON FREEWAY

City, State & Zip: PHOENIX, AZ 85053

Ship To: PMA PHOTOMETALS OF ARIZONA, INC.
18008 N. BLACK CANYON FREEWAY
PHOENIX, AZ 85053

Reference: SHIPPER 6019877

PO Number: 28607

Part Number: 14GA3042B

Mill Name: MIRROR METALS

Lot Number: YU102349

Piece Count: 3

Description: 14GA (.075") X 48" X 120" SHEET 304 2B

Specifications: ASTM A240

MAR 19 2024

Von Staudt



Coast Aluminum does hereby certify that the material covered by this certification has been tested with the above specifications and has been found to meet the applicable requirements for the material on the above order. Supporting data for processing, testing and inspection is on file at this facility and is available for examination.

Jennifer Zepeda

Name (Printed)

Authorized Signature

SHIPPING & RECEIVING CLERK

Title

March 18, 2024

Date

Coast Aluminum, Inc

1/10/2025

Customer Name : PMA PHOTOMETALS OF ARIZONA, INC
Attention :
Sales Order # : 6260144
Purchase Order # : 29331
Invoice # :
Reference : From for Order: 6260144

The M.T.R.s you requested are attached.
Thank you for your business!

.020
Mirrored
Stainless

JAN 13 2025

Ben Stahld



TUNG MING DEVELOPMENT CO., LTD.

CERTIFICATE OF QUALITY

S/S T304 #8nd 24ga 48x120

Pack#: 17101-17103

For use: No. 55, Yi Kuan Hsin, Chung Li, Taichung, Taiwan, R.O.C.

Mirror Metals, Inc.

訂單編號

995

證明書編號

Q13031517

鋼種名稱

依據規範

ASTM A240/A240M-23

開立日期

113/03/15

項目	鋼捲編號	爐號	表面加工	厚度	寬度	長度	數量	重量	開立日期
Item	Coil No.	Heat No.	Surface Finish	Thickness	Width	Length	Quantity	Weight	Issue Date

1	176234-020000	Y220430C47-2	No. 2B	0.31	1257	3300	1	10350	
2	182961-020000	Y230623C53-2	BA	0.69	1257	1502	1	10390	
3	183969-000000	Y230814C28-2	BA	0.56	1257	3790	1	20800	
4	185227-020000	Y231027C45-1	No. 2B	0.98	1255	1071	1	10541	

化學成份 (Chemical Composition %)

機械性質 (Mechanical Property)

項目	C	Si	Mn	P	S	Cr	Ni	N	Mo	Cu	電阻率	抗拉強度	屈服強度	伸長率	沖長率	晶粒	試驗
Item	max.	max.	max.	max.	max.	max.	max.	max.			Ω·cm	MPa	MPa	(0.2%)	(%)	Grain	Method
1	0.044	0.47	1.07	0.028	0.002	18.24	8.05	0.057		0.050	165	725	279	59			
2	0.044	0.38	1.02	0.033	0.002	18.08	8.05	0.057		0.030	103	673	279	57			
3	0.055	0.33	1.07	0.036	0.002	18.02	8.00	0.050		0.030	158	684	280	57			
4	0.044	0.37	1.03	0.032	0.003	18.10	8.02	0.059		0.030	158	675	262	55			

此證明書係根據客戶之要求，對本公司所生產之鋼捲，經本公司之品質管理部門，依照相關之標準，進行抽樣檢驗，並符合相關之標準，特此證明。此證明書僅供參考，不作為任何之擔保或責任之依據。如有任何之爭議，請與本公司之品質管理部門聯繫。

JAN 13 2025
PMA

技術部經理

Signature

4455 W. MAGNOLIA ST.
PHOENIX, AZ 85043
(602) 278-5052 / PHONE
(602) 278-5056 / FAX



COAST ALUMINUM, INC

CERTIFICATE OF CONFORMANCE

Customer Name: PMA PHOTOMETALS OF ARIZONA INC

Address: 18008 N BLACK CANYON FREEWAY

City, State & Zip: PHOENIX, AZ 85053

Ship To: PMA PHOTOMETALS OF ARIZONA INC
18008 N BLACK CANYON FREEWAY
PHOENIX, AZ 85053

Reference: 6260144

PO Number: 29331

Part Number: 24GAS8

Mill Name: MIRROR METALS

Lot Number: Y230814C282

Piece Count: 6

Description: 24GA (.0226") X 48" X 120" 304 SUPER #8 LSR PVC

Specifications: ASTM A240/A240M-23

JAN 13 2025

Ken Stambel



Coast Aluminum does hereby certify that the material covered by this certification has been tested with the above specifications and has been found to meet the applicable requirements for the material on the above order. Supporting data for processing, testing and inspection is on file at this facility and is available for examination.

RENEE LEON

Name (Printed)

Renee Leon
Authorized Signature

SHIPPING & RECEIVING MANAGER

Title

JANUARY 10TH, 2025

Date