

3/4"

Total
22 plates c 55,111#

1 PLATE

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:

Rob Woodall

Rob Woodall
Director of Manufacturing Davenport Works

Terrence Thom

Terrence Thom
Quality Assurance Manager

Ship From: RIVERDALE, IA.

2937060

0

Ship Date

B.L. No.

Invoice No.

Alcoa No. Item

2016-05-17

10825442

00000

1000804418-1

DP-04418-1

P.O. No./Govt Contract No.

Customer

Alcoa Item

WL3-28151

G041145036R01

1: NO CERT MAIL INSTRUCTIONS SPECIFIED
BY CSSR

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:

Rob Woodall

Rob Woodall
Director of Manufacturing Davenport Works

Terrence Thom

Terrence Thom
Quality Assurance Manager

Page 1 of 3

Ship From: RIVERDALE, IA.

2937060

0

Ship Date

B.L. No.

Invoice No.

Alcoa No. Item

2016-05-17

10825442

00000

1000804418-1

DP-04418-1

P.O. No./Govt Contract No.

Customer

Alcoa Item

W13-28151

G041145036R01

Ship To:

Item Description

0.75 IN TK (+.058 -.058) X 120.0 IN W (+.375 -
0.000) X 282.375 IN LN (+.5625 -0.000) (N) A/T 3003-
H112 RECTANGULAR MILL FINISH, SAWED. ASTM B209
REV 14 (NOT MARKED) NOT INTERLEAVED MAX
GROSS SKID WGT: 4500 LB QUAN TOL +/-20 %
CQR 0252014 REV 01 CUST REQ 16-05-
01 *** W/E 16-05-21 ***

Num	Package Ticket	Lot	Weight	Quantity	UOM	Inspector Clock Numbers
1	252147	302959	2538	1	PC	47403
2	252166	302959	2543	1	PC	47403
3	252183	302958	2478	1	PC	47480
4	252192	302959	2558	1	PC	47403
5	252205	302959	2563	1	PC	47403
6	252393	302957	2503	1	PC	47321
7	252435	302957	2498	1	PC	47321
8	252440	302957	2508	1	PC	47321
9	252486	302951	2448	1	PC	47480
10	252494	302951	2458	1	PC	47480
11	252513	302951	2448	1	PC	47480
12	252551	302952	2573	1	PC	
13	252560	302952	2553	1	PC	
14	252575	302952	2538	1	PC	
15	252587	302952	2523	1	PC	
16	252632	302952	2518	1	PC	
			40248	16		

CQR: 0252014.1 -Specification Limits

UTS	TYS	EL4D
KSI	KSI	PCT
Max		
Min	15.0	6.0 12

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:

Rob Woodall

Rob Woodall
Director of Manufacturing Davenport Works

Terrence Thom

Terrence Thom
Quality Assurance Manager

Page 2 of 3

Ship From: RIVERDALE, IA.

2937060

0

Ship Date

B.L. No.

Invoice No.

Alcoa No. Item

2016-05-17

10825442

00000

1000804418-1

DP-04418-1

P.O. No./Govt Contract No.

Customer

Alcoa Item

WL3-28151

G041145036R01

CQR: 0252014.1 -Specification Limits (cont.)

Chemical Composition	SI	FE	CU	MN	ZN	Other	Other
Max	0.6	0.7	0.20	1.5	0.10	0.05	0.15
Min			0.05	1.0			REMAIN

Alloy 3003
Lot: 302951 - Mechanical, Physical, Metallography, Quantometer Results

Temp	Dir	Test	UTS	TYS	EL4D
H112	Longitudinal	4	19.4	13.1	31.7
			19.5	13.2	31.7
			19.5	13.4	31.8
			19.4	13.4	31.5

Cast Number	Chemical - OES	SI	FE	CU	MN	ZN	Other	Each	Other	Total
E3168035	Actuals	0.2	0.6	0.12	1.1	0.00	< 0.05	< 0.05	< 0.15	

Lot: 302952 - Mechanical, Physical, Metallography, Quantometer Results

Temp	Dir	Test	UTS	TYS	EL4D
H112	Longitudinal	4	20	14	31.6
			20	13.8	31.6
			20	13.8	31.9
			20.1	14.1	31.4

Cast Number	Chemical - OES	SI	FE	CU	MN	ZN	Other	Each	Other	Total
E3168033	Actuals	0.2	0.6	0.12	1.1	0.00	< 0.05	< 0.05	< 0.15	

Lot: 302957 - Mechanical, Physical, Metallography, Quantometer Results

Temp	Dir	Test	UTS	TYS	EL4D
H112	Longitudinal	4	19.8	13.7	31
			19.8	13.8	30.5
			19.8	13.7	31.1
			19.7	13.6	31

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No addition, deletion or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:

Rob Woodall

Rob Woodall
Director of Manufacturing Davenport Works

Terrence Thom

Terrence Thom
Quality Assurance Manager

Ship From: RIVERDALE, IA.

2937050

0

Ship Date

B.L. No.

Invoice No.

Alcoa No. Item

2016-05-17

10825442

00000

1000804418-1

DP-04418-1

P.O. No./Govt Contract No.

Customer

Alcoa Item

W13-28151

G041145036R01

Page 3 of 3

Lot: 302957 - Mechanical, Physical, Metallography, Quantometer Results (cont.) -----

Cast Number Chemical - OES SI FE CU MN ZN Other Each Other Total

H3131022 Actuals 0.2 0.6 0.12 1.1 0.01 < 0.05 < 0.15

Lot: 302958 - Mechanical, Physical, Metallography, Quantometer Results -----

No-> UTS TYS EL4D

Temp Dir Test KSI KSI PCT

H112 Longitudinal 4 20.1 14.3 29.9

20 14.2 30.3

20 14.2 30.5

20 14.1 30.3

Cast Number Chemical - OES SI FE CU MN ZN Other Each Other Total

H3131024 Actuals 0.2 0.6 0.12 1.1 0.01 < 0.05 < 0.15

Lot: 302959 - Mechanical, Physical, Metallography, Quantometer Results -----

No-> UTS TYS EL4D

Temp Dir Test KSI KSI PCT

H112 Longitudinal 4 19.3 13.8 31.5

19.3 13.7 31.6

19.3 13.7 31.4

19.3 13.7 31.6

Cast Number Chemical - OES SI FE CU MN ZN Other Each Other Total

16S0082041 Actuals 0.3 0.5 0.12 1.0 0.01 < 0.05 < 0.15

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

5 plates

CERTIFIED INSPECTION REPORT

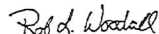
Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

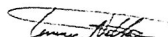
We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:



Rob Woodall
Director of Manufacturing Davenport Works



Terrence Thom
Quality Assurance Manager

Ship From: RIVERDALE, IA.

2937062	0			
Ship Date	B.L. No.	Invoice No.	Alcoa No.	Item
2016-05-17	10825454	00000	1000804418-1	DP-04418-1
P.O. No./Govt Contract No.	Customer		Alcoa Item	
W13-28151			G041145036R01	

1: NO CERT MAIL INSTRUCTIONS SPECIFIED
BY CSSR

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:

Rob Woodall

Rob Woodall
Director of Manufacturing Davenport Works

Terrence Thom

Terrence Thom
Quality Assurance Manager

2937062 Ship Date	0 B.L. No.	Invoice No.	Alcoa No.	Item
2016-05-17	10825454	00000	1000804418-1	DP-04418-1
P.O. No./Govt Contract No.	Customer	Alcoa Item		
W13-28151		G041145036R01		

Page 1 of 3

Ship To:

Item Description
0.75 IN TK (+.058 -.058) X .120.0 IN W (+.375 -
0.000) X 282.375 IN LN (+.5625 -.000) (N) A/T 3003-
H112 RECTANGULAR MILL FINISH, SAWED. ASTM B209
REV 14 ((NOT MARKED)) NOT INTERLEAVED MAX
GROSS SKID WGT: 4500 LB QUAN TOL +/-20 %
CQR 0252014 REV 01 CUST REQ 16-05-
01 *** W/E 16-05-21 ***

CARDEN

Num	Package Ticket	Lot	Weight	Quantity	UOM	Inspector Clock Numbers
1	252146	302958	2508	1	PC	47480
2	252158	302958	2488	1	PC	47480
3	252162	302958	2488	1	PC	47480
4	252187	302958	2468	1	PC	47480
5	252204	302958	2478	1	PC	47480
6	252213	302958	2468	1	PC	47480
7	252223	302958	2498	1	PC	47480
8	252384	302957	2533	1	PC	47321
9	252408	302957	2498	1	PC	47321
10	252413	302957	2598	1	PC	47321
11	252421	302957	2493	1	PC	47321
12	252465	302951	2478	1	PC	47480
13	252473	302951	2468	1	PC	47480
14	252506	302951	2453	1	PC	47480
15	252529	302951	2483	1	PC	47480
16	252615	302952	2508	1	PC	
			39908	16		

CQR: 0252014.1 -Specification Limits -----

		UTS	TYS	EL4D
Temp	Dir	KSI	KSI	PCT
H112	Longitudinal	Max		
		Min	15.0	6.0 12

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:

Rob d. Woodall

Rob Woodall
Director of Manufacturing Davenport Works

Terrence Thom

Terrence Thom
Quality Assurance Manager

Ship From: RIVERDALE, IA.

2937062	0			
Ship Date	B.L. No.	Invoice No.	Alcoa No.	Item
2016-05-17	10825454	00000	1000804418-1	DP-04418-1
P.O. No./Govt Contract No.	Customer	Alcoa Item		
W13-28151		G041145036R01		

Page 2 of 3

CQR: 0252014.1 -Specification Limits (cont.)

Chemical Composition		SI	FE	CU	MN	ZN	Other Each	Other Total	Aluminum
Max		0.6	0.7	0.20	1.5	0.10	0.05	0.15	
Min				0.05	1.0				REMAIN
Lot: 302951 - Mechanical, Physical, Metallography, Quantometer Results									
No->		UTS		TYS		EL4D			
Test		KSI		KSI		PCT			
Tmpr	Dir	20		14		31.6			
H112	Longitudinal	4		13.8		31.6			
		20		13.8		31.9			
		20.1		14.1		31.4			
		19.4		13.4		31.5			

Cast Number		Chemical - OES	SI	FE	CU	MN	ZN	Other Each	Other Total	Total
H3168035		Actuals	0.2	0.6	0.12	1.1	0.00	< 0.05	< 0.15	
Lot: 302952 - Mechanical, Physical, Metallography, Quantometer Results										
No->		UTS		TYS		EL4D				
Test		KSI		KSI		PCT				
Tmpr	Dir	20		14		31.6				
H112	Longitudinal	4		13.8		31.6				
		20		13.8		31.9				
		20.1		14.1		31.4				

Cast Number		Chemical - OES	SI	FE	CU	MN	ZN	Other Each	Other Total	Total
H3168033		Actuals	0.2	0.6	0.12	1.1	0.00	< 0.05	< 0.15	
Lot: 302957 - Mechanical, Physical, Metallography, Quantometer Results										
No->		UTS		TYS		EL4D				
Test		KSI		KSI		PCT				
Tmpr	Dir	19.8		13.7		31				
H112	Longitudinal	4		13.8		30.5				
		19.8		13.7		31.1				
		19.7		13.6		31				

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:

Rob Woodall

Rob Woodall
Director of Manufacturing Davenport Works

Terrence Thom

Terrence Thom
Quality Assurance Manager

2937062	0			
Ship Date	B.L. No.	Invoice No.	Alcoa No.	Item
2016-05-17	10825454	00000	1000804418-1	DP-04418-1
P.O. No./Govt Contract No.	Customer		Alcoa Item	
W13-28151			G041145036R01	

Page 3 of 3

Lot: 302957 - Mechanical, Physical, Metallograpy, Quantometer Results (cont.) -----

Cast Number	Chemical	OES	SI	FE	CU	MN	ZN	Other	Each	Other	Total
-------------	----------	-----	----	----	----	----	----	-------	------	-------	-------

H3131022	Actuals		0.2	0.6	0.12	1.1	0.01	< 0.05		< 0.15	
----------	---------	--	-----	-----	------	-----	------	--------	--	--------	--

Lot: 302958 - Mechanical, Physical, Metallography, Quantometer Results -----

Temp	Dir	No->	UTS	TYS	EL4D
------	-----	------	-----	-----	------

Test	KSI	KSI	PCT
------	-----	-----	-----

H112	Longitudinal	4	20.1	14.3	29.9
------	--------------	---	------	------	------

20	14.2	30.3
----	------	------

20	14.2	30.5
----	------	------

20	14.1	30.3
----	------	------

Cast Number	Chemical	OES	SI	FE	CU	MN	ZN	Other	Each	Other	Total
-------------	----------	-----	----	----	----	----	----	-------	------	-------	-------

H3131024	Actuals		0.2	0.6	0.12	1.1	0.01	< 0.05		< 0.15	
----------	---------	--	-----	-----	------	-----	------	--------	--	--------	--

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

16 Plates

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:

Rob Woodall

Rob Woodall
Director of Manufacturing Davenport Works

Terence Thom

Terence Thom
Quality Assurance Manager

Ship From: RIVERDALE, IA.

2936940	0			
Ship Date	B.L. No.	Invoice No.	Alcoa No.	Item
2016-05-17	10825452	00000	1000804418-1	DP-04418-1
P.O. No./Govt Contract No.	Customer		Alcoa Item	
W13-28151			G041145036R01	

1: NO CERT MAIL INSTRUCTIONS SPECIFIED
BY CSSR

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

For:

Rob Woodall

Rob Woodall
Director of Manufacturing Davenport Works

Terrence Thors

Terrence Thors
Quality Assurance Manager

Page 1 of 2

Ship From: RIVERDALE, IA.

2936940 Ship Date	0 B.L. No.	Invoice No.	Alcoa No. Item
2016-05-17	10825452	00000	1000804418-1 DP-04418-1
P.O. No./Govt Contract No.	Customer	Alcoa Item	
W13-28151		G041145036R01	

Ship To:

Item Description

0.75 IN TK (+.058 -.058) X 120.0 IN W (+.375 -
0.000) X 282.375 IN LN (+.5625 -0.000) (N) A/T 3003-
H112 RECTANGULAR MILL FINISH, SAWED. ASTM B209
REV 14 ((NOT MARKED)) NOT INTERLEAVED MAX
GROSS SKID WGT: 4500 LB QUAN TOL +/-20 %
CQR 0252014 REV 01 CUST REQ 16-05-
01 *** W/E 16-05-21 ***

Num	Package Ticket	Lot	Weight	Quantity	UOM	Inspector Clock Numbers
1	252157	302959	2538	1	PC	47403
2	252178	302959	2543	1	PC	47403
3	252184	302959	2538	1	PC	47403
4	252432	302957	2528	1	PC	47321
5	252627	302952	2518	1	PC	
			12665	5		

CQR: 0252014.1 -Specification Limits

Temp Dir	UTS	TYS	ELAD
H112 Longitudinal	KSI	KSI	PCT
Max			
Min	15.0	6.0	12

Chemical Composition	SI	FE	CU	MN	ZN	Other Each	Other Total	Aluminum
Alloy 3003	Max	0.6	0.7	0.20	1.5	0.10	0.05	0.15
	Min			0.05	1.0			REMAIN

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:

Rob Woodall

Rob Woodall
Director of Manufacturing Davenport Works

Terence Thom

Terence Thom
Quality Assurance Manager

Ship From: RIVERDALE, IA.

2936940	0			
Ship Date	B.L. No.	Invoice No.	Alcoa No.	Item
2016-05-17	10825452	00000	1000804418-1	DP-04418-1
P.O. No./Govt Contract No.	Customer		Alcoa Item	
W13-28151			G041145036R01	

Page 2 of 2

QCR: 0252014.1 - Specification Limits (cont.)

Lot: 302952 - Mechanical, Physical, Metallography, Quantometer Results

Temp	Dir	No->	UTS	TYS	ELAD
H112	Longitudinal	Test	KSI	KSI	PCT
		4	20	14	31.6
			20	13.8	31.6
			20	13.8	31.9
			20.1	14.1	31.4

Cast Number	Chemical	OES	SI	FE	CU	MN	ZN	Other	Each	Other	Total
H3168033	Actuals		0.2	0.6	0.12	1.1	0.00	< 0.05		< 0.15	

Lot: 302957 - Mechanical, Physical, Metallography, Quantometer Results

Temp	Dir	No->	UTS	TYS	ELAD
H112	Longitudinal	Test	KSI	KSI	PCT
		4	19.8	13.7	31
			19.8	13.6	30.5
			19.8	13.7	31.1
			19.7	13.6	31

Cast Number	Chemical	OES	SI	FE	CU	MN	ZN	Other	Each	Other	Total
H3131022	Actuals		0.2	0.6	0.12	1.1	0.01	< 0.05		< 0.15	

Lot: 302959 - Mechanical, Physical, Metallography, Quantometer Results

Temp	Dir	No->	UTS	TYS	ELAD
H112	Longitudinal	Test	KSI	KSI	PCT
		4	19.3	13.8	31.5
			19.3	13.7	31.6
			19.3	13.7	31.4
			19.3	13.7	31.6

Cast Number	Chemical	OES	SI	FE	CU	MN	ZN	Other	Each	Other	Total
16S0082041	Actuals		0.3	0.5	0.12	1.0	0.01	< 0.05		< 0.15	

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States