

DELIV. NOTE # n° bordereau	DATE date	ORDER # n° commande	PAGE page
80150884	16/07/21	120064834 19/04/19	1 / 1

YOUR REFERENCES vos références	CRITICAL	19/04/19
4519000035		Tel:

BORDEAUX

DELIVERY NOTE

BORDEREAU DE LIVRAISON

FROM émetteur	
NAME :	BARDY
PHONE :	335-56-55-2453
FAX :	335-56-55-4205
E-MAIL :	claire.bardy@sabenatechnics.com

DELIVER TO livré à	
ATR (Avions de Transport 102 Direct. financière Service 1 ALLEE PIERRE NADOT 31712 BLAGNAC CEDEX FRANCE PATRICIA TIBLE 05 62 21 62 43	CHAINE ATR CHEZ 307100 STATION TIT M62 POSTE DE GARDE ATHOS Avenue Yves BRUNAUD 31770 COLOMIERS FRANCE

ITEM SNT	CUSTOMER	PART NUMBER / DESCRIPTION / STATUS référence / désignation / condition/Code Un/Desig Un/Code FHS	SERIAL # n° de série	UM	QTY qté	BATCH # lot SNT	MANUF.BATCH # lot fabricant
10		ASNA3012-8733:F4643 TOLE 2024 T3 PL EP4.0		M2	1	6000651712	

It is hereby certified that the goods mentioned above will remain the property of SABENA TECHNICS until full payment has been made and that all information shown on this document is true and correct.
Nous certifions que les matériels désignés ci-dessus demeureront la propriété de la SABENA TECHNICS jusqu'à complet paiement de leur prix et que toutes les informations indiquées sur ce document sont vraies et sincères.

FORWARDER <i>transitaire</i>	NAME <i>nom</i>	ACCOUNT <i>N° de compte</i>	TEL <i>Tel.</i>	P.O.C <i>contact</i>	
PACKING <i>colis</i>	QUANTITY (<i>nombre</i>)	SIZE CM (<i>dimension cm</i>)	TYPE (<i>genre</i>)	GROSS WEIGHT KG (<i>poids kg</i>)	QUALITY CONTROL <i>contrôle qualité</i>
SHIPPING INFORMATION <i>expédition</i> INCOTERMS	TYPE <i>type</i> "EXW" BORDEAUX	AWB 9102729916 FLASH LE 24/04/2019 LTA	DATE 24/04/19 <i>date</i>		
CUSTOM VALUE ONLY	VALUE				
We hereby declare, barring exceptions, reservations, or exemptions listed in this statement of conformity, that the listed supplies comply with the contract requirements and that, after completion of testing and verification, they completely satisfy all specified requirements, and applicable standards and regulations. Nous déclarons que le matériel, cité, réparé ou modifié, après vérifications et essais est conforme aux exigences du contrat, sauf exceptions, réserves ou dérogations énumérées dans la présente déclaration de conformité.					

We hereby declare, barring exceptions, reservations, or exemptions listed in this statement of conformity, that the listed supplies comply with the contract requirements and that, after completion of testing and verification, they completely satisfy all specified requirements, and applicable standards and regulations.
Nous déclarons que le matériel, cité, réparé ou modifié, après vérifications et essais est conforme aux exigences du contrat, sauf exceptions, réserves ou dérogations énumérées dans la présente déclaration de conformité.

DECLARATION DE CONFORMITE - STATEMENT OF CONFORMITY NFL 00-015C

These items may only be sold, transferred, exported or re-exported in accordance with the applicable national or international law (E.G COUNCIL REG. (EC) 428/2009, US EXPORT ADMINISTRATION REGULATION etc.) .As Exporter or re-exporter of these items, you are responsible for ensuring their proper classification and continuing compliance with these regulations. Any contraventions are prohibited.
Ces items ne peuvent être vendus, transférés, exportés ou réexportés qu'en conformité avec la réglementation française, européenne ou internationale (notamment le règlement (CE) 428/2009, le contrôle export US). En tant qu'exportateur ou ré-exportateur de ces items, le destinataire est responsable du respect de ces réglementations et de la bonne classification du matériel. Tout écart est interdit.



RECEPTION SUR STOCK (101) N° 6000053897/002 du 23.11.2016 à 12:46:45

TEXTE MVT

FOURNISSEUR

Fms : 101284/SCA - Services Centres Aé
Cde/Item : 8000182289/00020
Acheteur : BGL/PLANA Alexandre
Réf.BL Fms : CONTROL OLIVIER
Incoterms : DAP MERIGNAC

ASQ : Receipt Control
Spécialité: DISTRIBUTEUR_REVENDEUR
du : 10.11.2016
Tél : 33 556554098
Fax : 33 556552210

ARTICLE

Commandé : ASNA3012-8733:F4643
Reçu : ASNA3012-8733:F4643
Désignation : TOLE 2024-T3-A5 EP=4
Emballage :
Stockage :
Température :
Lot / Etat : 6000651712
Durée vie : 0 J

Lot fms :
Lot de ctrle : 000000853499

Qté livrée : 3,125 M2 Px Achat : 120,23

Qté rev :

Qté commandée :

Motif :
Tampon :

INFORMATION DESTINATION

Marchandise stockée

Div : BX01 N° de besoin : STOCK

Mag : MP
Bât :
Casier :
Type stk :

CONTROLE

Lieu :

DOCUMENT A FOURNIR:

DECLARATION DE CONFORMITE D'ORIGINE DU FABRICANT - CONDITION: NEW

Identification du réceptionnaire : 0636611

Date d'édition : 23.11.2016

SERVICE CENTRES AERO FRANCE

Bureaux Administratifs et Financiers

29 rue du Bois Briand

Nant'est entreprises

BP 22415

44324 NANTES cedex 3

Société par actions simplifiée au capital de 1.198.591 Euros - 300 209 715 R.C.S. Nantes

Tel.: 02.40.30.67.50

Fax: 02.40.30.67.99



Référence Client: FR65300209715

8000182289	
Contact: GUITARD Aurore	Tél:
Adresse FACTURE:	Adresse ADMINISTR.: SABENA TECHNIQS BOD COMPTABILITE FOURNISSEURS CS 50008 19 RUE MARCEL ISSARTIER 33693 MERIGNAC CEDEX

Info MESS. LE AFFR. LE	BON DE LIVRAISON N°: 290854.00 Date édition: 22.11.2016		Page 2
Filière transport DDP	ADRESSE DE LIVRAISON: SABENA TECHNIQS BOD 19 RUE MARCEL ISSARTIER FR-33700 MERIGNAC		N° Client: 685160
DECLARATION DE CONFORMITE (NF L 00-015C) Nous déclarons que la fourniture citée est conforme aux exigences du contrat et qu'après vérifications et essais, elle répond en tout point, aux exigences spécifiées, aux normes et règlements applicables, sauf exceptions, réserves ou dérogations énumérées sur les certificats de réception ci-joints. Responsable Qualité: Anais ACHARD		Tél: 0556554098	
Nombre colis: 3		Poids net kg / Weight / Gewicht 106,48	

Pos.	DESIGNATION Description Bezeichnung	N° de pièce	Certificat	Lot origine Original batch	DATE Date Termin	QUANTITE Quantity Menge	POIDS Weight Gewicht
	Norme demandée: ASNA 3010 / FILM PVC 2 FACES	CC 168866B2 CC 784924A3	4410471 4410471	168866B2 784924A3	35,20 kg 8,80 kg	4 (4) 1 (1)	12,5
*** LISTE DE COLISAGE *** 1 PP CAISSE SHEET 58,00 kg N° 158060 1 PP CAISSE SHEET 66,00 kg N° 158058 1 PP CAISSE SHEET 75,00 kg N° 158061							
				DAHER SOCIETE C/O SABENA TECHNIQS BOD 23 NOV. 2016 VISA			

En application de l'art. 105 du CC les réserves du destinataire doivent être écrites, précises, significatives et complètes, inscrites sur le récépissé du transporteur et sur le bon de livraison et confirmées dans les 3 jours par courrier auprès de l'expéditeur. Nos conditions générales de vente sont indiquées au verso. / Our sales conditions are indicated overleaf. Les marchandises restent notre propriété jusqu'à leur paiement complet. Les réclamations peuvent être acceptées uniquement dans les 2 semaines suivant la réception des marchandises.

SERVICE CENTRES AERO FRANCE

Bureaux Administratifs et Financiers

29 rue du Bois Briand

Nant'est entreprises

BP 22415

44324 NANTES cedex 3

Société par actions simplifiée au capital de 1.198.591 Euros - 300 209 715 R.C.S. Nantes

Tel.: 02.40.30.67.50

Fax: 02.40.30.67.99



Référence Client: FR65300209715

8000182289	
Contact: GUITARD Aurore	Tél:
Adresse FACTURE:	Adresse ADMINISTR.
SABENA TECHINICS BOD	SABENA TECHINICS BOD
SCE COMPTABILITE FOURNISSEURS	COMPTABILITE FOURNISSEURS
CS 50008	CS 50008
19 RUE MARCEL ISSARTIER	19 RUE MARCEL ISSARTIER
33693 MERIGNAC CEDEX	33693 MERIGNAC CEDEX

Info	MESS. LE	BON DE LIVRAISON	Page 1
	AFFR. LE	N°: 290854.00	
		Date édition: 22.11.2016	
Filière transport	DDP	ADRESSE DE LIVRAISON:	N° Client: 685160
DECLARATION DE CONFORMITE (NF L 00-015C) Nous déclarons que la fourniture citée est conforme aux exigences du contrat et qu'après vérifications et essais, elle répond en tout point, aux exigences spécifiées, aux normes et règlements applicables, sauf exceptions, réserves ou dérogations énumérées sur les certificats de réception ci-joints. Responsable Qualité: Anaïs ACHARD		SABENA TECHINICS BOD 19 RUE MARCEL ISSARTIER FR-33700 MERIGNAC	
		Tél: 0556554098	
Nombre colis: 3		Poids net kg / Weight / Gewicht 106,48	

Pos.	DESIGNATION Description Bezeichnung	N° de pièce	Certificat	Lot origine Original batch	DATE Date Termin	QUANTITE Quantity Menge	POIDS Weight Gewicht
10	SHEET 2024 CLAD T3 3,00 x 1250,00 x 2500,00 mm Norme demandée: ASNA 3012 /	137900B7	4381077	137900B7	23.11.16	1,00 Pce (1)	27,00
20	FILM PVC 2 FACES SHEET 2024 CLAD T3 4,00 x 1250,00 x 2500,00 mm Norme demandée: ASNA 3012 /	147741B3	4391144	147741B3	23.11.16	1,00 Pce (1)	35,48
30	FILM PVC 2 FACES SHEET 2024 T3 1,00 x 1250,00 x 2500,00 mm				35,48 kg /	5,00 Pce	44,00

En application de l'art. 105 du CC les réserves du destinataire doivent être écrites, précises, significatives et complètes, inscrites sur le récépissé du transporteur et sur le bon de livraison et confirmées dans les 3 jours par courrier auprès de l'expéditeur. Nos conditions générales de vente sont indiquées au verso. / Our sales conditions are indicated overleaf. Les marchandises restent notre propriété jusqu'à leur paiement complet. Les réclamations peuvent être acceptées uniquement dans les 2 semaines suivant la réception des marchandises.

SCAF	N° BL	29085400	N° Ligne		Date d'edition	22.11.2016
+33(0)	N° Article	13010682	IP	147741B3	Client	SABENA TEC
240306750	N° PV	111001_439114	Ref. client	8000182289	Qte livrée	35.48
	CClt/Ligne	290854.00 / 20	N° IMA	51332355	Page	1/3

SHIP TO:
SERVICE CENTRES AERO FRANCE
29 RUE DU BOIS BRIAND
NANTES, FR 44300

SOLD TO:
SERVICE CENTRES AERO FRANCE
29 RUE DU BOIS BRIAND
NANTES, FR 44300

KAISER
ALUMINUM

Trontwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4391144

CUSTOMER PO NUMBER:		WORK PACKAGE:		CUSTOMER PART NUMBER:		SHIP RUN/LOAD:		DOVT CONTRACT NUMBER:	
20150917.00		SH-SOG-LAU-S		13010682		103336/0			
KAISER ORDER NO:	LINE ITEM:	SHIP DATE:		ALLOY:	CLAD:	TEMPER:	PRODUCT DESCRIPTION:		
1200346	2	25-SEP-2015		2024	ALCLAD	T3	Kaiser Stretched		
WEIGHT SHIPPED:	QUANTITY:		TRUCK B/L #:		GAUGE:		DIAMETER/WIDTH:		LENGTH:
4221 LB	54 PCS EST.		2050114		4.0000 MM (0.1575 IN)		1250.0 MM (49.210 IN)		2500.0 MM (98.425 IN)

MHU 1032388; LOT 147741B3; 25 pieces LOT 77980464; 29 pieces;

Certified Specifications

AIR 9048-140/Rev1
ASN-A3012/RevM
DIN 29 546/Rev13
BS L 109/Rev1
WL 3.1264/Rev1

AMS4482
BAEM 1009/Rev2
EN 2090/Rev2008
LN 9073/Rev9

AMS-QQ-A 250/5/RevB
DAN 424/Rev1288
BS L 100/Rev6
S07-1009/Rev1/Amd3

Test Code: 2308

Test Results

SCAF	N° BL	29085400	N° Ligne		Date d'edition	22.11.2016
+33(0)	N° Article	13010682	IP	147741B3	Client	SABENA TEC
240306750	N° PV	111001_439114	Ref. client	8000182289	Qte livrée	35.48
	CClt/Ligne	290854.00 / 20	N° IMA	51332355	Page	2/3



Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4391144

Lot: 147741B3 Cast 863 Drop 37 Ingot 3 Melted in USA

(ASTM B6/B557)
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	66.5 : 66.8 (459 : 461)	44.5 : 44.9 (307 : 310)	19.2 : 20.2

(EN 2007)
Clad Diffusion : 18 %

(ASTM G110)
(EN 2716)
IGC : PASS

(AMS 2355)
(EN 2007)
Cladding : 2.5 % (Samp 1) 2.4 % (Samp 2)

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.07	0.20	4.4	0.62	1.3	0.01	0.09	0.02	0.01	0.00	TOT 0.05

Lot: 778804A4 Cast 863 Drop 37 Ingot 3 Parent Lot: 147741B3 Melted in USA

(ASTM B6/B557)
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	65.2 : 65.2 (450 : 450)	42.6 : 42.8 (294 : 295)	19.9 : 20.4

(EN 2007)
Clad Diffusion : 18 %

(ASTM G110)
(EN 2716)
IGC : PASS

(AMS 2355)
(EN 2007)
Cladding : 2.5 % (Samp-1) 2.5 % (Samp-2)

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.07	0.20	4.4	0.62	1.3	0.01	0.09	0.02	0.01	0.00	TOT 0.05

SCAF	N° BL	29085400	N° Ligne		Date d'edition	22.11.2016
+33(0)	N° Article	13010682	IP	147741B3	Client	SABENA TEC
240306750	N° PV	111001_439114	Ref. client	8000182289	Qte livrée	35.48
	CClt/Ligne	290854.00 / 20	N° IMA	51332355	Page	3/3

KAISER
ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4391144

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.06
MAX(wt%)	0.50	0.50	4.8	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.16
Liner Alloy:	1050											
MIN(wt%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	EACH	0.03
MAX(wt%)	0.25	0.40	0.05	0.05	0.05	0.03	0.05	0.03	0.03	0.03	TOT	0.00

Aluminum Remainder

TEST NOTES

UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THE ORDER, THE DIMENSIONAL TOLERANCES ARE CERTIFIED TO MEET THE TOLERANCE REQUIREMENTS OF IN 9079 OR ASS 5044 GENERAL TOLERANCES, AS APPLICABLE. FOR ALCLAD 2024 TEMPER, 1.6MM SHEET IS NOT EQUIVALENT TO 1.063", DUE TO LINER THICKNESS AND TENSILE PROPERTY DIFFERENCES FOR THE RESPECTIVE PRODUCTS.

ELONGATION RESULTS ARE BASED UPON A 50 mm GAUGE LENGTH FOR PRODUCT LESS THAN 12.5 mm THICK.

Diffusion Test (EN 2007)

(Etchant Used: Keller's A&B; Magnification: 311X
Sample Location: Head of the lot)

IQE Test (ASTM G210, EN 2716)

(Etchant Used: 57g NaCl + 10ml Hydrogen Peroxide in 1L of DI Water (test solution) 5l Nitric Acid + 0.5% Hydrofluoric Acid in DI Water (rinse); Magnification: 313X;
Sample Location: Head of the lot)

Liner Thickness Test (AMS 2355, EN 2007)

(Etchant Used: 0.5% Hydrofluoric Acid or Keller's A&B;
Magnification: 313X;
Sample Location: Head and tail of the lot, edge-center-edge averaged for each)

CERTIFICATION

Kaiser Aluminum Fabrication Products, LLC (Kaiser), is ISO 9001:2008/AS9100C certified and hereby certifies that all material shipped under this order:
* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thickness outside specification limits, mechanical properties are as shown in legend and chemical composition meets specification requirements.
* was assembled in the United States of America or a qualifying country per ONR 229-572-114, was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
* has been thermally processed in compliance with AMS 2772, where applicable.
* is mercury free, within the limits of restriction of AS749 § 1351 (c) w/ 1 ppm.
* is in compliance with RoHS 2, European Union Directive 2011/65/EU.
* is in compliance with and regularly monitors any updates to the European Chemical Agency, REACH, REACH regulations, EC, 1907/2006.
* is free of Conflict Minerals, as defined in Section 1502 of the Dodd-Frank Act.
Any contrary is shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test records shall not be reproduced except in full, without the written approval of Kaiser Aluminum's Group. The recording of false test data is a fraudulent statement of data on the certificate may be considered a felony under federal law.

James Hemenway

JAMES HEMENWAY, LABORATORIES SUPERVISOR

Page 3 of 3

SCAF	N° BL	29085400	N° Ligne		Date d'edition	22.11.2016
+33(0)	N° Article	13010678	IP	137900B7	Client	SABENA TEC
240306750	N° PV	111001_438107	Ref. client	8000182289	Qte livrée	27.00
	CClt/Ligne	290854.00 / 10	N° IMA	49407225	Page	1/3

SHIP TO: SERVICE CENTRES AERO FRANCE 29 RUE DU BOIS BRIAND NANTES, FR 44300
SOLD TO: SERVICE CENTRES AERO FRANCE 29 RUE DU BOIS BRIAND NANTES, FR 44300

KAISER
ALUMINUM
 Frankford Works - Spokane, WA 99208
 Phone: (800) 367-2556

CERTIFIED TEST REPORT

Serial Number
 4381077

CUSTOMER PO NUMBER 20142758 00	WORK PACKAGE	CUSTOMER PART NUMBER 13010678	SHIP RUN/LOAD 103249/4	GOVT CONTRACT NUMBER
KAISER ORDER NO. 1186929	LINE ITEM 3	SHIP DATE 29-JUN-2015	ALLOY 2024	CLAD ALCLAD
TEMPER T3	PRODUCT DESCRIPTION Kaiser Stretched	WEIGHT SHIPPED 5960 LB	QUANTITY 100 PCS EST.	TRUCK B/L # 2054672
GAUGE 3.0000 MM (0.1181 IN)	DIA/METER WIDTH 1250.0 MM (49.210 IN)	LENGTH 2500.0 MM (98.425 IN)		

MHU 1905235: LOT 137900B7: 27 pieces;
 MHU 1905236: LOT 137900B7: 73 pieces;

Certified Specifications

ASS 5044/RevB
 AIR 9048-140/Rev1
 ASN-A3012/RevM
 DIN 29 546/Rev13
 LN 9073/Rev9

AIMS 03-04-000/Rev3
 AMS4462
 BAEM 1009/Rev2
 BS L 100/Rev5
 S07-1009/Rev1/Amid3

AIMS 03-04-014/Rev2
 AMS-00-A-250/5 RevB
 DAN 424/Rev1225
 BS L 109/Rev1
 WL 3.1364/Rev1

Test Code: 2306

Test Results

SCAF +33(0) 240306750	N° BL N° Article N° PV CClt/Ligne	29085400 13010678 111001_438107 290854.00 / 10	N° Ligne IP Ref. client N° IMA	137900B7 8000182289 49407225	Date d'edition Client Qte livrée Page	22.11.2016 SABENA TEC 27.00 2/3
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KAISER
ALUMINIUM

Leopoldsdorfer Alumin GmbH, WZ 1000 G
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
438107

Lot: 137900B7 Cast 802 Drop 63 Ingot 3 Melted in USA

(ASTM B2/B557)
(EN 2002-1)

Tensile:	Temper	Dr / # Tests	Ultimate KSI (MPa)	Yield KSI (MPa)	Elongation %
	T2	LT / 2 (Min:Max)	65.2 : 65.7 (450 : 453)	44.7 : 46.1 (308 : 318)	19.4 : 20.6

(EN 2007)
Clad Diffusion : 16 %

(ASTM G110)
(EN 2716)
IGC : PASS

(AMS 2055)
(EN 2007)
Cladding : 2.5 % (Samp-1) 2.6 % (Samp-2)

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.10	4.5	0.55	1.4	0.01	0.10	0.02	0.01	0.00	TOT 0.05

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.50	0.50	4.9	0.8	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15
Liner Alloy:	1050											
Min(wt%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	EACH	0.03
MAX(wt%)	0.25	0.40	0.05	0.05	0.05	0.03	0.05	0.03	0.03	0.03	TOT	0.00

Aluminum Remainder

SCAF	N° BL	29085400	N° Ligne		Date d'edition	22.11.2016
+33(0)	N° Article	13010678	IP	137900B7	Client	SABENA TEC
240306750	N° PV	111001_438107	Ref. client	8000182289	Qte livrée	27.00
	CClt/Ligne	290854.00 / 10	N° IMA	49407225	Page	3/3

KAISER
ALUMINUM

Transvaal Works - Midrand - 1601, 90014
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
438107

TEST NOTES

UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THE ORDER, THE DIMENSIONAL TOLERANCES ARE CERTIFIED TO MEET THE TOLERANCE REQUIREMENTS OF EN 5073 OR AMS 2044 GENERAL TOLERANCES, AS APPLICABLE. FOR ALUMINUM 2024 TEMPER T1 0.001" THICK SHEET IS NOT EQUIVALENT TO 0.011", DUE TO LINDER THICKNESS AND TENSILE PROPERTY DIFFERENCES FOR THE RESPECTIVE PRODUCTS.

ELEVATION DIMENSIONS ARE BASED UPON A 50 PER GAUGE LENGTH FOR PRODUCT LESS THAN 12.5 CM THICK.

Diffusion Test (EN 2007)

(Reagent Used: Keller's A4B; Magnification: 313X)

Sample Location: Head of the lot

LCI Test (ASTM G410, DS 2710)

(Reagent Used: 5% NaCl - 10ml Hydrogen Peroxide in 1L of DI Water (test solution) 5% Nitric Acid - 0.5% Hydrofluoric Acid in DI Water (rinse); Magnification: 313X;

Sample Location: Head of the lot

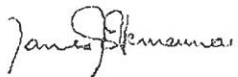
Liner Thickness Test (AMS 2154, EN 2007)

(Reagent Used: 0.5% Hydrofluoric Acid or Keller's A4B; Magnification: 313X;

Sample Location: Head and tail of the lot, edge-center-edge averaged for each)

CERTIFICATION

Kaiser Aluminum Fabricated Products, L.P. (Kaiser) (ISO 9001:2008) (AS 9100C) certified and hereby certifies that all material shipped under this order:
• has been inspected, tested, and found to be in accordance with the requirements of the specifications and listed herein. For material exceeding outside specification limits, maximum at properties are as specified herein and chemical composition meets specification requirements.
• was made in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 225.225 for domestic content.
• has been thermally processed in compliance with AMS 2771, where applicable.
• is mercury free, within the limits of Section of ASTM B1251, 0.001 ppm.
• is in compliance with RoHS 2, European Union Directive 2011/65/EU.
• is in compliance with and regularly monitors any updates to the European Chemical Agency (ECHA) REACH regulations, (EC) no 1907/2006.
• is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
Any warranty is limited to that shown on this Aluminum's drawing and specifications of size. Test reports are on file, subject to examination. Test reports shall be reprinted without full, without the written approval of the Kaiser Aluminum Laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.


JAMES HEMMENWAY, LABORATORIES SUPERVISOR

SCAF	N° BL	29085400	N° Ligne		Date d'edition	22.11.2016
+33(0)	N° Article	13010615	IP	784924A3	Client	SABENA TEC
240306750	N° PV	111001_441047	Ref. client	8000182289	Qte livrée	44.00
	CCIt/Ligne	290854.00 / 30	N° IMA	61973804	Page	1/3

SHIP TO: SERVICE CENTRES AERO FRANCE 29 RUE DU BOIS BRIAND NANTES, FR 44300
SOLD TO: SERVICE CENTRES AERO FRANCE 29 RUE DU BOIS BRIAND NANTES, FR 44300

KAISER
ALUMINUM
 Trentwood Works - Spokane, WA 99215
 Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
 4410471

CUSTOMER PO NUMBER: 20151636.00	WORK PACKAGE: 13010615	CUSTOMER PART NUMBER: 103495/5	SHIP RUN/LOAD: 103495/5	GOVT CONTRACT NUMBER:
KAISER ORDER NO: 1206457	LIN ITEM: 1	SHIP DATE: 7-MAR-2016	ALLOY: 2024	CLAD: DARE
TEMPER: T3	PRODUCT DESCRIPTION: HT Flat Sheet	WEIGHT SHIPPED: 6520 LB	QUANTITY: 336 PCS EST.	TRUCK B/L #: 2058009
GAUGE: 1.0000 MM (0.0394 IN)	DIAMETER/WIDTH: 1250.0 (41.3)	LENGTH: 1250.0 (41.3)	THICKNESS: 0.0312 (0.0123)	

MFG 1978535: LOT 18886082: 100 piece LOT 784924A3: 100 piece LOT 784925A0: 21 pieces;
 MFG 1272941: LOT 784925A0: 79 pieces LOT 784928A3: 36 pieces;

Certified Specifications

ASM 1-6015/Rev2
 AMS-QQ-A-250/4/RevB
 BS L 100/RevB
 WL 3.1364/Rev1

AIR 9048-110/Rev1
 ASN-A3010/RevK
 LN 9073/Rev3

AMS 4037/RevC
 DIN 29 546/Rev13
 S07-1023/Rev2

Test Code: 2306

Test Results

Lot: 16886082 Cast 151 Drop 39 Ingot 4 Melted in USA

(ASTM B209/557)
 (EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPa)	Yield KSI (MPa)	Elongation %
	T3	LT / 2 (Min:Max)	65.9 : 66.3 (454 : 457)	44.7 : 44.8 (308 : 309)	17.2 : 18.3

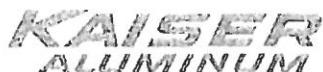
(ASTM G110)
 (EN 2716)

IGC : PASS

(ASTM B1281)

Chemistry:	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	V	Zr	OTHER
Actual(wt%)	0.07	0.19	4.6	0.58	1.3	0.01	0.11	0.03	0.01	0.00	TOT 0.05

SCAF	N° BL	29085400	N° Ligne		Date d'edition	22.11.2016
+33(0)	N° Article	13010615	IP	784924A3	Client	SABENA TEC
240306750	N° PV	111001_441047	Ref. client	8000182289	Qte livrée	44.00
	CClt/Ligne	290854.00 / 30	N° IMA	61973804	Page	2/3



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CERTIFIED TEST REPORT

Serial Number
4410471

Lot: 784924A3 Cast 151 Drop 39 Ingot 4 Parent Lot: 168866B2 Melted in USA

(ASTM B6/B67)
(EN 2002-1)

Tensile	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	66.0 : 66.1 (455 : 456)	44.7 : 44.9 (308 : 309)	17.5 : 17.6

(ASTM G110)
(EN 2716)
IGC : PASS

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.07	0.19	4.6	0.58	1.3	0.01	0.11	0.03	0.01	0.00	TOT 0.05

Lot: 784926A0 Cast 151 Drop 39 Ingot 4 Parent Lot: 168866B2 Melted in USA

(ASTM B6/B67)
(EN 2002-1)

Tensile	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	66.2 : 66.4 (456 : 459)	45.0 : 45.0 (310 : 310)	16.7 : 16.8

(ASTM G110)
(EN 2716)
IGC : PASS

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.07	0.19	4.6	0.58	1.3	0.01	0.11	0.03	0.01	0.00	TOT 0.05

Lot: 784926A8 Cast 151 Drop 39 Ingot 4 Parent Lot: 168866B2 Melted in USA

(ASTM B6/B67)
(EN 2002-1)

Tensile	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	64.9 : 65.1 (447 : 456)	44.8 : 45.2 (309 : 312)	16.1 : 17.3

(ASTM G110)
(EN 2716)
IGC : PASS

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.07	0.19	4.6	0.58	1.3	0.01	0.11	0.03	0.01	0.00	TOT 0.05

SCAF	N° BL	29085400	N° Ligne		Date d'edition	22.11.2016
+33(0)	N° Article	13010615	IP	784924A3	Client	SABENA TEC
240306750	N° PV	111001_441047	Ref. client	8000182289	Qte livrée	44.00
	CClt/Ligne	290854.00 / 30	N° IMA	61973804	Page	3/3



Trentwood Works - Spokane, WA 99215
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CERTIFIED TEST REPORT

Serial Number
4410471

	SI	FE	CU	MN	MG	CR	ZN	TI	V	PR	OTHER	MAX
2024												
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.06
MAX(wt%)	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15

Aluminum Remainder

TEST NOTES

UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THE ORDER, THE DIMENSIONAL TOLERANCES ARE CERTIFIED TO MEET THE TOLERANCE REQUIREMENTS OF IN 9071 OR AISI 5044 GENERAL TOLERANCES, AS APPLICABLE. FOR ALCLAD 2024 TEMPER, 1.6MM SHEET IS NOT EQUIVALENT TO .063", DUE TO LINDER THICKNESS AND TENSILE PROPERTY DIFFERENCES FOR THE RESPECTIVE PRODUCTS.

REDUCTION RESULTS ARE BASED UPON A 50 MM GAUGE LENGTH FOR PRODUCT LESS THAN 12.5 MM THICK

100 PPM (ASTM G110, EN 2716)
[Inhibitor: 10% NaCl + 10ml Hydrogen Peroxide in 10 ml DI Water (fresh solution) 5% Nitric Acid + 0.5% Hydrofluoric Acid in DI Water (fresh) - Magnification: 100X;
Sample Location: Head of the Tool]

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC certifies, by ISO 9001:2008/AS9100 certified and hereby certifies that all material shipped under this order:
* Has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown here in test report compilation report specification requirements.
* Was tested in the test facility of a qualified company per GFARS 255 (72-10), was manufactured in the United States of America, and meets the requirements of GFARS 263.22% for aluminum content.
* Has been successfully certified in compliance with ASTM D 1722, where applicable.
* Is exempt from the requirements of ASTM F 1251 (if applicable).
* Is in compliance with RoHS 2, European Union Directive 2011/65/EU.
* Is in compliance with and not subject to any updates to the European Chemical Agency, REACH, REACH regulations, (EC) n° 1907/2006.
* Is the only certified Aluminum, as defined in Section 15.2 of the Defense Acquisition Regulation.
* This warranty is subject to the terms of Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced without the written approval of the Kaiser Aluminum Laboratory. The recording of files, photos or scanned photographs or other on the computer may be done as a reference to the report.

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER