



BLAIR STRIP STEEL COMPANY

P.O. Box 7159 1209 Butler Avenue New Castle, PA USA 16107
Phone: (724) 658-2611 Fax: (724) 658-6548 www.BlairStripSteel.com

PRODUCT CERTIFICATION

WORK ORDER
185717

HEAT NUMBER
A75004

SALES ORDER
012831

SOLD TO

Delta Alloys, LLC
11823 E. Slauson Avenue
Suite 28
Sante Fe Springs, CA 90670
United States

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	COILS	LADING NO	SHIPMENT DATE					
136538	6130031	21,925 Lbs	7	00036554						
PRODUCT DESCRIPTION		BLAIR PART NBR	F4130-.080x36.000-06							
Aircraft Quality 4130 .0800 x 36.000 x 144.0										
Customer Grade: Caltime - 4130AQ 6345 Spec: AMS 6345E - Normalized or Otherwise Heat Treated (Successor to AMS/MIL-S-18729C) AMS 2301K AMS 2252 D SAE J404 ASTM A505/506 ASTM E112 "Melted & Manufactured in the USA" Gauge Tol: + .0070 - .0070 Width Tol: + 0.1875 - 0.0 Length Tol: + 1.0 - 0.0 Slit Edge / Cold Roll Finish / Oil Hardness HRB: 0 / 0 Max Package Wt: 3500 Package Type: Lift + Paper Wrap										
CERTIFICATION REQUIREMENTS										
Chemical										
C	Mn	P	S	Si	Al	Cu	Ni	Cr	Mo	Sn
.30	.47	.009	.000	.21	.030	.02	.02	.86	.18	.005
V	Nb	B	Ti	Ca	N					
.008	.002	.0002	.0050	.0014	.0051					
Mechanical										
TEST	RESULT									
Raw Material Source	Cleve. Cliffs - Riverdale, IL									
TEST	UNITS	Result								
Yield (PSI)	PSI	95900								
Tensile (PSI)	PSI	110000								
% Elongation	%	11.1								

I certify that the results are a true and correct copy of the records prepared and maintained by Blair Strip Steel in compliance with the requirements of the cited specifications. Chemistry is as reported by the producing mill. This test report cannot be reproduced or distributed except in full.

Dominic Sikora
Quality Manager - Blair Strip Steel



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CUSTOMER P.O.	CUSTOMER PART	QUANTITY	COILS	LADING NO	SHIPMENT DATE
136538	6130031	21,925 Lbs	7	00036554	
As Produced Hardness	HRB			98	
Heat Treated Hardness	HRC			39	
<u>TEST</u>		<u>RESULT</u>			
Bend Test		OK			
Grain Size		Finer than 8			
Micro Decarb		OK			
<u>TEST</u>	<u>UNITS</u>			<u>Result</u>	
AMS 2301 Freq.	Number			0	
AMS 2301 Sev.	Length			0	

Product is free of mercury or radioactive elements. This certification complies with EN 10204-3.1.

End of Certification

I certify that the results are a true and correct copy of the records prepared and maintained by Blair Strip Steel in compliance with the requirements of the cited specifications. Chemistry is as reported by the producing mill. This test report cannot be reproduced or distributed except in full.

Dominic Sikora
Quality Manager - Blair Strip Steel