



Alumax Mill Products, Inc.
(an Alcoa Inc. business)
1480 Manheim Pike
Lancaster, Pa. 17601

Certification of Test Results

SOLD TO

MITSUBISHI CHEMICAL FP AMERICA
ALPOLIC PLANT
401 VOLVO PARKWAY
CHESAPEAKE, VA 23320

SHIP TO

MITSUBISHI CHEMICAL FUNCTIONAL PROD
401 VOLVO PKWY BLDG #2
CHESAPEAKE, VA 23320

CERT NO 0001529739

DATE 1/16/2013

SKID NO 330351

SKID WGT 6,590

PAGE 1 OF 1

ORDER NO	LT7125	PO NO	RM212142			CONVERSION COATED - 2 SIDES NON ANODIZE QUALITY OUT: STANDARD MILL FINISH IN: STANDARD MILL FINISH NOT EMBOSSED
ITEM NO	1	PART NO	AL2041			
ALLOY	3105	TEMPER	H14	FORM	COIL	
GAUGE	.01900	WIDTH	40.7500	LENGTH	0.0000	
PERMATREAT 1021B OVER PERMATREAT 1021B						

LOT: 549165 COIL: A01 DROP: 251641

INGOT	SI	FE	CU	MN	MG	CR	NI	ZN	TI
2516411	0.50	0.40	0.17	0.45	0.57	0.03	0.005	0.12	0.03

HEAD ULTIMATE STRENGTH 24.2 KSI
TAIL ULTIMATE STRENGTH 24.2 KSI
HEAD YIELD STRENGTH (OFFSET = .2%) 23.6 KSI
TAIL YIELD STRENGTH (OFFSET = .2%) 23.5 KSI
HEAD ELG IN 2 IN., AT FRACTURE 2.5 %
TAIL ELG IN 2 IN., AT FRACTURE 2.5 %

CHEMICAL COMPOSITION ACCORDING TO ASTM E-1251-11
CHEMISTRY EXPRESSED AS % W/W FOR EACH REPORTED ELEMENT
MECHANICAL PROPERTIES ACCORDING TO ASTM B-557-10

** END OF CERTIFICATION **

We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected, and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition. Also, note that mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. Certification of test results shall not be reproduced except in full. This material was melted in the United States or a qualifying country (REF DFARS 225.872.1A); It was manufactured in the United States.

These commodities, technology and software exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. This certification complies with EN 10204:2004.

Authorized By:

JEFF KREADY, LAB SUPERVISOR