



Alnan Aluminium Inc.

ALNAN-MILL TEST CERTIFICATE

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EN10204-3.1

Certificate No.: P-190403-2740

Customer	ALUMECO A/S			Standard	EN485-2008		
Adress	NAESBYVEJ 26, DK-5100 ODENSE C						
Lot No.	6195106	Alloy/Temper	6082/T651	Order No.	120444655	Item No.	1000342
Product	Aluminium Alloy Plate	Specification mm	6*1520*3020	Quantity	56	Weight/kg	4332

Chemical Composition acc to EN 573-3:2009 (%)														
Element	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Zr	Ni	-	Others		Al
												Each	Total	
Standard Min.	0.70	0	0	0.40	0.6	0	0	0	-	-	-	≤0.05	≤0.15	Remainder
Standard Max.	1.3	0.50	0.10	1.0	1.2	0.25	0.20	0.10	-	-	-	<0.05	<0.15	
Actual	1.18	0.19	0.05	0.61	0.73	0.04	0.05	0.02	-	-	-	<0.05	<0.15	

Item	Mechanical Properties					Corrosion		Nondestructive Testing	
	Tensile Strength MPa	Yield Strength Mpa	Elongation A ₅₀ (%)	Bending	Hardness (HB/HV/HRC)	Intrec.	Exfcor.	Ultrasonic	Conductance
Standard/Min.	310	260	10	90° /180°	-	-	-	-	-
Standard/Max.	-	-	-		-	-	-	-	-
Actual	329-331	302-305	12.5-14.0	-	-	-	-	-	-

Metallography		Cladding rate		Grain Size		Hydrogen Content (ml/100gAl)	
Macro.	Micro.	Standard	Actual	Standard	Actual	Standard	Actual
-	-	-	-	-	-	-	-

Note: -

Quality have Certified as ISO9001.IRIS.AS9100C.GJB9001B.TS16949. Environment have Certified as ISO14001.Professional Health & Safety Management System have Certified as OHSAS18001.Level 3 confidential.The Classification Society have Certified as per DNVGL.ABS.BV.CCS.The pressure vessel material have Certified as TÜV-PED4.3&AD2000W0.

We hereby certify that the material described above has been tested and complies with the terms of the order contract. The inspection results indicated in the chemical composition have been obtained from cast analysis.

Issued by Quality Inspector:

Reviewed by:

Date: 03/04/2019



NO. : 20184028

Version: 0