

Mechanical Testing

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IN CONFIDENCE TO THE CLIENT

REPORT NO: 20-1166-A

This report replaces Report No. 20-1166 dated November 16th 2020

CHEMICAL ANALYSIS TESTING OF ALUMINIUM INGOT SAMPLE

CLIENT: VALUM GROUP PTY LTD
 ATT: VINCENT SORTINO
 LEVEL 10, BUILDING 4, WTC
 MELBOURNE VIC 3008

DATE OF TEST: NOVEMBER 11TH 2020

DATE OF REPORT: MARCH 3RD 2021

TEST SYNOPSIS:

One (1) aluminium ingot sample was delivered to the MTS laboratory for chemical analysis testing. At the request of the client, the sample was to be tested to determine the chemical composition as a percentage wt/wt (5) and as parts per million (ppm). As advised by the client, the sample was identified according to the following details:

Product: "A8 / P1020"

TEST PROCEDURE AND TEST DATA:

One (1) test specimen was procured from the ingot sample and tested in accordance with Spectrometer Services procedures. Chemical tests covered by Spectrometer Services NATA Accreditation No. 19570.

Chemical analysis test data is provided in the following table.

The calculated aluminium was found to be 99.800% ±0.001%

Al	Si	Cu	Fe	Mg	Zn	Cr	Ni
Bal.	0.035%	<0.001%	0.117%	0.004%	0.009%	0.001%	0.004%
Bal.	350ppm	<10ppm	1170ppm	40ppm	90ppm	10ppm	40ppm
Mn	Ti	Sr	Zr	B	V	Ga	
0.002%	0.001%	<0.001%	0.002%	0.002%	0.007%	0.015%	
20ppm	10ppm	<10ppm	20ppm	20ppm	70ppm	150ppm	

Notes:

- Melbourne Testing Services (MTS) Pty Ltd shall not be liable for loss, cost, damages or expenses incurred by the client or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall MTS be liable for consequential damages including, but not limited to, lost profit, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested.
- It remains the responsibility of the client to ensure that the samples tested are representative of the entire product batch.
- MTS shall take no responsibility for the procurement and authenticity of the test product as described herein.
- This report is specific to the test items in their state at the time of testing. It should not be taken as a statement that all products in all states of repair, would also perform in the same manner.
- MTS shall take no responsibility for the installation procedures used for the test items as described herein.
- MTS shall take no responsibility for the interpretation or misinterpretation of the procedures or calculation methods as provided herein or for the appropriateness or validity of the test procedures for the test items described and reported herein, as the test procedures, loads and hold periods were specified by the client.
- The tests as reported herein are considered Experimental Type Tests and therefore do not validate or certify the products with any Australian or International standards that may apply.



CAREY ARTHURSON
 Authorised Signatory