T0580

27 Grader Road
Spartan
Kempton Park, 1619
Tel: 011 452 4541
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Web: www.mtlabs.co.za

Metallurgical Testing Labs Pty Ltd
Reg. No: 2012/027591/07

Certificate Number:	
2025-06735 (2025-06735-A)	
Pass	**Fail**
X	

Customer Job Number:	2025-06735 (2025-06735-A)
Client:	F3 Group

Terms and conditions

All equipment used in attaining these results are traceable to National and International Standards
Test results contain herein relate only to the sample supplied
Off-cuts of material as supplied by the client will be retained for a period not less than 2 months unless agreed otherwise in writing and confirmed by MTL.
Hand written changes made to the certificate are not valid
Any changes to the certificate will be made under the heading of the original certificate number followed by the prefix "Revised" i.e. XXXXXXX-A Revised
Electronic copies of the certificates will be kept on file for a period no less than 3 years
This certificate may not be partially replicated without the written consent of MTL
This certificate is issued according to the requirements set out by BS EN 10204 3.1, as indicated below:

Customer:	F3 Group	**Test Results, in accordance with spec. provided**	X	**Material:**	BS EN 485-2:2016 Alloy EN AW-6082 "T6"
Order No.	COD	**Test Results, not in accordance with spec. provided**			
Address:	Ext 20	**No requirements provided**		**Description:**	±170 x 4.7mm thk extrusion
	Lanseria	TESTING WAS CARRIED OUT IN ACCORDANCE WITH THE FOLLOWING MTL PROCEDURES (Supporting international procedures): MECH001, 001.1, & 004 (ASTM A370; E8; E21; ISO 6892; EN10002-5) MECH002 (ASTM A370; E23; BS EN 10045-1) HARD001 (ASTM E92; E384) HARD002 (ASTM E10; A370) HARD003 (ASTM E18; A370) COR001 (ASTM B117) MET001 (ASTM A255; E18) MET002 (ASTM E1077) MET003 (ASTM E340; E381) COR002 (ASTM E3; A262) MET004 (ASTM E3; E45) MET005 (ASTM E3; E45) MET006 (ASTM E3; E45; E112; E407) MET008 (ASTM B499) MET009 (ASTM B487) Hard004 (ASTM E110), CHEM001 & 004 (ASTM E415) CHEM0016 (ASTM E1019) **& ISO 6892-1**			
Telephone:	083 320 5882				
Telefax:	N/A				
Email:	Martin@f3group.co.za			**Material ID Number:**	No ID
Attention:	Martin van Wyk				

TEST REPORT IN ACCORDANCE WITH EN 10204 3.1 OF SAMPLE AS SUPPLIED

The Decision Rule, in accordance with ISO 17025:2017, is taken into account and only reported on when it effects the outcome of this certificate.

	WITNESS BY:	TECHNICAL SIGNATORY	REMARKS	ACCREDITATION
13 Betschana Road Sebenza Edenvale, 1610 Tel: 082 779 6777 Fax: 086 293 6154 Email: Technical@mtlabs.co.za Web: www.mtlabs.co.za MTL Metallurgical Testing Labs (Pty) Ltd Reg. No: 2012/027591/07	N/A	S.S. NAIDOO		sanas Testing Laboratory T0580

Certificate Number: 2025-06735 (2025-06735-A) Date Received: 14 Nov 2025 Date Tested: 19 Nov 2025

TENSILE PROPERTIES	**Test Temperature:**		**21°C**											**ISO 6892-1**
Test direction: Longitudinal	**Thickness (mm)**	**Width (mm)**	**O/D (mm)**	**Area (mm²)**	**Gauge (mm)**	**Yield load (kN)**	**Max Load (kN)**	**Extension (mm)**	**Final Ø (mm)**	**Yield Point Rp0.2/eH (Mpa/ksi)**	**UTS (Mpa/ksi)**	**Elongation (%)**	**RIA (%)**	**Fracture Location**
Spec Min	**BS EN 485-2:2016 Alloy EN AW-6082 "T6"**									**260 / 38**	**310 / 45**	**10**	**-**	
Spec Max										**-**	**-**	**-**	**-**	
Sample A	4.56	12.52	-	57.09	42.80	16.16	18.68	4.54	-	283 / 41	327 / 47	11	-	Centre

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METALLURGICAL TESTING LABS 1000

2025-06735 A

Customer	F3 GROUP	TestDate	11/19/2025
Size(mm)	12.52*4.56	So(mm²)	57.09
Fm(kN)	18.68	Rm(MPa)	327
Fp(kN)	16.16	Rp(MPa)	283

