

Certificate of Accreditation



ASAMS Limited

Testing Laboratory No. 0935

**Is accredited in accordance with International Standard ISO/IEC 17025:2017
– General Requirements for the competence of testing and calibration
laboratories.**

This accreditation demonstrates technical competence for a defined scope specified in the schedule to this certificate, and the operation of a management system (refer joint ISO-ILAC-IAF Communiqué dated April 2017). The schedule to this certificate is an essential accreditation document and from time to time may be revised and reissued.

The most recent issue of the schedule of accreditation, which bears the same accreditation number as this certificate, is available from www.ukas.com.

This accreditation is subject to continuing conformity with United Kingdom Accreditation Service requirements.

A handwritten signature in black ink, appearing to read "Matt Gantley", is positioned above a horizontal line.

Matt Gantley, *Chief Executive Officer*
United Kingdom Accreditation Service

Initial Accreditation: 8 August 1989
Certificate Issued: 25 January 2024



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verify



0935

**TEST REPORT**

Client: FUTURAL (UK) Ltd 128 City Road London United Kingdom EC1V 2NX Contact: Jason	ASAMS Contract No. ASAMS/0034566
	Date Received 17/02/2023
	Client Order No. AS-001
	Rev. 5 : Change to product IDs

Job Description: 4 Off 3mm Thick Sheets for Testing (250mm x 73mm Supplied)
Items 1, 2, 3 & 4 (Identification as shown below, grade in brackets)

Specification: Clients based on BS EN 485-2:2016

- 1) FUTURAL 3000 Series (3003 H24)
- 2) FUTURAL 5000 Series (5052 H32)
- 3) KLADAL 3000 Series (3003 H24)
- 4) KLADAL 5000 Series (5052 H32)

TENSILE TEST					
Tested to: BS EN ISO 6892-1:2019 A224 / BS EN ISO 4136: 2022 / BS EN ISO 5178 : 2019 / ASAMS OP10 - (As Applicable)					
Test Date 21/02/2023	Initial Dimensions 12.6 x 2.9mm	Final Gauge Length 41.54mm	0.2% Proof Load 5.23kN	Results 143 MPa PS (reqd. 115 MPa min)	Sentence: Passed
Specimen ID 1	Gauge Length 34mm		Ultimate Load 6.37kN	174 MPa UTS (reqd. 145-185 MPa)	22% Elongation after fracture (reqd. 5% min)
Test Date 21/02/2023	Initial Dimensions 12.59 x 2.88mm	Final Gauge Length 41.15mm	0.2% Proof Load 6.02kN	Results 166 MPa PS (reqd. 130 MPa min)	Sentence: Passed
Specimen ID 2	Gauge Length 34mm		Ultimate Load 7.81kN	215 MPa UTS (reqd. 210-260 MPa)	21% Elongation after fracture (reqd. 7% min)
Test Date 21/02/2023	Initial Dimensions 12.61 x 2.89mm	Final Gauge Length 42.5mm	0.2% Proof Load 5.13kN	Results 141 MPa PS (reqd. 115 MPa min)	Sentence: Passed
Specimen ID 3	Gauge Length 34mm		Ultimate Load 6.33kN	174 MPa UTS (reqd. 145-185 MPa)	25% Elongation after fracture (reqd. 5% min)
Test Date 21/02/2023	Initial Dimensions 12.62 x 2.9mm	Final Gauge Length 40.44mm	0.2% Proof Load 5.96kN	Results 163 MPa PS (reqd. 130 MPa min)	Sentence: Passed
Specimen ID 4	Gauge Length 34mm		Ultimate Load 7.79kN	213 MPa UTS (reqd. 210-260 MPa)	19% Elongation after fracture (reqd. 7% min)

Completed by T Whiskin (Metallurgist) Verified by A Page (Director) <div style="text-align: center; border: 1px solid red; padding: 5px; width: fit-content; margin: 0 auto;"> ON BEHALF OF ASAMS LIMITED </div> Signed by T Whiskin (Metallurgist) Report Date: 18 September 2024	All the test results are enclosed in boxes. The results relate to items tested only. Test report shall not be reproduced except in full. Decision rule DR1 unless otherwise stated. Acceptance criteria taken directly from referenced specification. An un-constrained simple acceptance criteria has been applied. Further details at asams.co.uk/decision-rules
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Specification: Clients based on BS EN 485-2:2016	

HARDNESS TEST - VICKERS			
Test Date	: 21/02/23	Tested to	: BSENISO 6507-1: 2018
Test Load	: 5kg / HV5	Indenter Type	: 136° Pyramidal Diamond
	Results Achieved	Approximate conversion	BS EN 485-2:2016 informative hardness
Sample 1:	53, 54, 55 HV5	50 Brinell	45 Brinell
Sample 2:	70, 69, 70 HV5	62 Brinell	61 Brinell
Sample 3:	55, 55, 54 HV5	50 Brinell	45 Brinell
Sample 4:	67, 69, 69 HV5	62 Brinell	61 Brinell
Note: 1) Approximate conversion using ASTM E140-12b Table 9			
Sentence: For Info.			

Completed by T Whiskin (Metallurgist) Verified by A Page (Director)	<div style="border: 2px solid red; padding: 5px; display: inline-block;"> ON BEHALF OF ASAMS LIMITED </div>	All the test results are enclosed in boxes. The results relate to items tested only. Test report shall not be reproduced except in full. Decision rule DR1 unless otherwise stated. Acceptance criteria taken directly from referenced specification. An un-constrained simple acceptance criteria has been applied. Further details at asams.co.uk/decision-rules
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