Certificate of Accreditation

UKAS United Kingdom Accreditation Service

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.

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

Initial Accreditation: 8 August 1989
Certificate Issued: 25 January 2021

ilac-MRA

UKAS United Kingdom Accreditation Service

Scan QR Code to verify

UKAS is appointed as the sole national accreditation body for the UK by The Accreditation Regulations 2009 (SI No 3155/2009) and operates under a Memorandum of Understanding (MoU) with the Department for Business, Energy and Industrial Strategy (BEIS).

UKAS TESTING
0935

ASAMS

TEST REPORT

Client:	Anhui HJ Tech Co. Ltd Anhui HJ Tech Co., Ltd #568 South Huizhou RD, Chuzhou City, Anhui Province, China	**ASAMS Contract No.**	ASAMS/0034566
		Date Received	17/02/2023
		Client Order No.	AS-001
		Rev. 3 : Hardness conversions amended	
Contact:	Jason		

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 also known as HJ TECH PVDF Pre-coated Solid Aluminium 3000 Series (3003 H24)
2) FUTURAL also known as HJ TECH PVDF Pre-coated Solid Aluminium 5000 Series (5052 H32)
3) KLADAL also known as HJ TECH PVDF Post-coated Solid Aluminium 3000 Series (3003 H24)
4) KLADAL also known as HJ TECH PVDF Post-coated Solid Aluminium 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	Initial Dimensions	Final Gauge Length	0.2% Proof Load	Results	Sentence: Passed
21/02/2023	12.6 x 2.9mm	41.54mm	5.23kN	143 MPa PS (reqd. 115 MPa min)	
Specimen ID	**Gauge Length**		**Ultimate Load**	174 MPa UTS (reqd. 145-185 MPa)	
1	34mm		6.37kN	22% Elongation after fracture (reqd. 5% min)	
	Fracture Location				
	OMT				
Test Date	**Initial Dimensions**	**Final Gauge Length**	**0.2% Proof Load**	**Results**	**Sentence: Passed**
21/02/2023	12.59 x 2.88mm	41.15mm	6.02kN	166 MPa PS (reqd. 130 MPa min)	
Specimen ID	**Gauge Length**		**Ultimate Load**	215 MPa UTS (reqd. 210-260 MPa)	
2	34mm		7.81kN	21% Elongation after fracture (reqd. 7% min)	
	Fracture Location				
	OMT				
Test Date	**Initial Dimensions**	**Final Gauge Length**	**0.2% Proof Load**	**Results**	**Sentence: Passed**
21/02/2023	12.61 x 2.89mm	42.5mm	5.13kN	141 MPa PS (reqd. 115 MPa min)	
Specimen ID	**Gauge Length**		**Ultimate Load**	174 MPa UTS (reqd. 145-185 MPa)	
3	34mm		6.33kN	25% Elongation after fracture (reqd. 5% min)	
	Fracture Location				
	MT				
Test Date	**Initial Dimensions**	**Final Gauge Length**	**0.2% Proof Load**	**Results**	**Sentence: Passed**
21/02/2023	12.62 x 2.9mm	40.44mm	5.96kN	163 MPa PS (reqd. 130 MPa min)	
Specimen ID	**Gauge Length**		**Ultimate Load**	213 MPa UTS (reqd. 210-260 MPa)	
4	34mm		7.79kN	19% Elongation after fracture (reqd. 7% min)	
	Fracture Location				
	OMT				

Completed by A Page (Director)
Verified by T Whiskin (Metallurgist)

ON BEHALF OF ASAMS LIMITED

Signed by T Whiskin (Metallurgist)
Report Date: 06 April 2023

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

All lab activities @ ASAMS Limited, Marine Building, Owen Road, Harfreys Industrial Estate, Great Yarmouth, Norfolk NR31 0NA, unless stated
Tel: +44 (0)1493 653535 Fax: +44 (0)1493 653254 Email: lab@asams.co.uk Website: www.asams.co.uk Info supplied by client ex. dimensions

UKAS TESTING
0935

ASAMS

TEST REPORT

Client:	Anhui HJ Tech Co. Ltd Anhui HJ Tech Co., Ltd #568 South Huizhou RD, Chuzhou City, Anhui Province, China	**ASAMS Contract No.**	ASAMS/0034566
		Date Received	17/02/2023
		Client Order No.	AS-001
Contact:	Jason	Rev. 3 : Hardness conversions amended	
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		

HARDNESS TEST - VICKERS

Test Date : 21/02/23
Test Load : 5kg / HV5
Tested to : BSENISO 6507-1: 2018
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 A Page (Director)
Verified by T Whiskin (Metallurgist)

ON BEHALF OF ASAMS LIMITED

Signed by T Whiskin (Metallurgist)
Report Date: 06 April 2023

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Tel: +44 (0)1493 653535 Fax: +44 (0)1493 653254 Email: lab@asams.co.uk Website: www.asams.co.uk Info supplied by client ex. dimensions