

EU CERTIFICATE OF QUALITY SYSTEM APPROVAL

**In accordance with the requirements of the Pressure Equipment Directive
2014/68/EU**

This is to certify that the Quality Management System of:

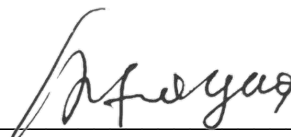
Gränges Aluminium (Shanghai) Co., Ltd.
No. 1111, Jiatang Highway, Jiading District, Shanghai City,
People's Republic of China
Unified Social Credit Code: 9131000060735952X3

has been assessed against the requirements of Annex I, Paragraph 4.3 of the Pressure Equipment Directive 2014/68/EU and EN 764-5: 2014, Section 4.2, and conforms to the requirements for the products shown below:

**Manufacture of aluminium strips and sheets for heat exchangers
in accordance with Annex I paragraph 4.3 of the
Pressure Equipment Directive
(see attached schedule)**

Approval is subject to the continued maintenance of the quality system in accordance with the requirements of the above Directive and EN 764-5: 2014, Section 4.2, and the on-going surveillance. Products are as detailed on the attached schedule.

Certificate No.:	0343/PEDM/BJG6017842/A
Original Approval:	20 July 2013
Current Certificate:	23 April 2025
Certificate Expiry:	22 April 2028
Notified Body No.:	0343



Alfred Yao on behalf of Lloyd's Register Nederland B.V.

Lloyd's Register Nederland B.V. (Reg. no. 24247948) is a private limited company registered in the Netherlands with registered office at K.P. Van Der Mandelelaan 41 A, 3062MB Rotterdam. A subsidiary of LRQA Group Limited.

LRQA Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'LRQA'. LRQA assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant LRQA entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

CERTIFICATE SCHEDULE

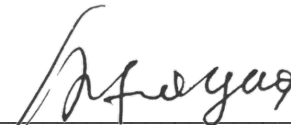
0343/PEDM/BJG6017842/A

**In accordance with the requirements of the Pressure Equipment Directive
2014/68/EU**

Gränges Aluminium (Shanghai) Co., Ltd.
No. 1111, Jiatang Highway, Jiading District, Shanghai City,
People's Republic of China

Material		Product Form	Thickness Range (Min / Max)	Heat Treatment / Supply Condition
Specification	Grade / Designation			
Core Alloy: FA5577 Clad: ASME SFA-5.8/SFA-5.8M A94004, A94104	FA8256, FA8286 FA8258	Plate or Coil	1.0~2.5mm	H14, H24
FA5577	FA5577	Plate or Coil	0.45~0.8mm	H14,
Core Alloy: FA7905 Clad: FA7755	FAARB1	Plate or Coil	0.2~0.5mm	H14, H12, H24, O
A6802	A6802	Plate or Coil	1.8~2.5mm	H14
Core Alloy: FA7948M Clad: ASME SFA-5.8/SFA-5.8M A94004	FAC858M	Plate or Coil	0.1~0.2mm	H18
Core Alloy: FA6519 Clad: ASME SFA- 5.8/SFA-5.8M A94104	FA8D88	Plate or Coil	0.45~1.20mm	H24
Core Alloy: ASME SB-209 3003 Clad: FA7755	FA82B1	Plate or Coil	0.406~0.609mm	H24
Core Alloy: FA7857 Clad: ASME SFA-5.8/SFA-5.8M A94104	FA8U88	Plate or Coil	1.7~2.5mm	H14,
Core Alloy: ASME SB-209 3003 Clad: ASME SFA-5.8/SFA-5.8M A94045	FA8226	Plate or Coil	0.60~0.80mm	H24
Core Alloy: FA7857 Clad: ASME SFA-5.8/SFA-5.8M A94004	FA8U58	Plate or Coil	1.5~3.0mm	O
Core Alloy: FA7001 (AA3005 MOD) Clad: FA7755	FACBB1	Plate or Coil	0.45~0.80mm	H24
Core Alloy: FA7952H Clad: FA5050	FACE6E0H	Plate or Coil	1.5~3mm	H14
FA5577HY	FA5577HY	Plate or Coil	0.4~0.5mm	O
Core Alloy FA7929J Clad ASME SFA-5.8/SFA-5.8M A94004	FAB958J	Plate or Coil	0.1~0.2mm	H18
Core Alloy FA7929 Clad ASME SFA-5.8/SFA-5.8M A94004	FAB926T	Plate or Coil	0.5~0.8mm	H24
Clad ASME SFA-5.8/SFA-5.8M A94104	FAB988J	Plate or Coil	0.4~1.2mm	H24
Core Alloy FA7994; Clad ASME SFA-5.8/SFA-5.8M A94045	FACN26T	Plate or Coil	0.4~0.8mm	H24
Core Alloy FA7959: ASME SFA-5.8/SFA- 5.8M A94047	FA7959	Plate or Coil	0.4~1.2mm	H24
			0.03~0.15mm	H14

Schedule Issue: 03
Date of Schedule Issue: 23 April 2025
Notified Body No.: 0343



Alfred Yao on behalf of Lloyd's Register Nederland B.V.

Lloyd's Register Nederland B.V. (Reg. no. 24247948) is a private limited company registered in the Netherlands with registered office at K.P. Van Der Mandelelaan 41 A, 3062MB Rotterdam. A subsidiary of LRQA Group Limited.

LRQA Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'LRQA'. LRQA assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant LRQA entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.