

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.:

Original Approval:

Current Certificate:

Certificate Expiry:

Notified Body No.

0343/PEDM/BJG6017842/A 20 July 2013 23 April 2022 22 April 2025 0343

Alfred Yao on behalf of LRQA Nederland B.V.

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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

Products: Aluminium alloy strips and sheets with thickness 0.1~3.0mm.

Material Grades and Standards:

Standards or specifications	Material description and size
Core Alloy: FA5577 Clad: ASME SFA-5.8/SFA-5.8M A94004, A94104	FA8256, FA8286-H14, H24 Thickness 1.0~2.5mm FA8258-H14 Thickness 0.45-0.8mm
FA5577	FA5577-H14, H12, H24, O Thickness 0.2~0.5mm
Core Alloy: FA7905 Clad: FA7755	FAARB1-H14 Thickness 1.8~2.5mm
FA6802	FA6802-HSSR H18 Thickness 0.1~0.2mm
Core Alloy: FA7948M Clad: ASME SFA-5.8/SFA-5.8M A94004	FAC858M-H24 Thickness 0.45~1.20mm
Core Alloy: FA6519 Clad: ASME SFA-5.8/SFA-5.8M A94104	FA8D88-H24 Thickness 0.406~0.609mm
Core Alloy: ASME SB-209 3003 Clad: FA7755	FA82B1-H14 Thickness 1.7~2.5mm
Core Alloy: FA7857 Clad: ASME SFA-5.8/SFA-5.8M A94104	FA8U88-H24 Thickness 0.60~0.80mm
Core Alloy: ASME SB-209 3003 Clad: ASME SFA-5.8/SFA-5.8M A94045	FA8226-O Thickness 1.5~3.0mm
Core Alloy: FA7857 Clad: ASME SFA-5.8/SFA-5.8M A94004	FA8U58-H24 Thickness 0.45~0.80mm
Core Alloy: FA7001 (AA3005 MOD) Clad: FA7755	FACBB1-H14 Thickness 1.5~3.0mm
Core Alloy: FA7952H Clad: FA5050	FACE6E0H-O Thickness 0.4~0.5mm
FA5577HY	FA5577HY-H18 Thickness 0.1~0.2mm

Schedule Issue:

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23 April 2022

Date of Schedule Issue:

Notified Body No.

0343

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