

Certificate No: MD00/1754/0009/1
Appendix 1
OUTOKUMPU STAINLESS AB
BA Europe
Degerfors Operations (QPE),
S-693 81 Degerfors, Sweden

Plates	Austenitic Stainless	Grades	mm thickness Maximum
Solution Treated	-	304L, 304LN, 316L, 316LN, 321	50.0
Plates	Duplex Stainless	Grades	mm thickness Maximum
Solution Treated	-	UNS S32304*	10.0
Solution Treated	-	UNS S32101*	20.0
Solution Treated	-	UNS S31803(MOD)*	50.0

^{*} Avesta 2205, UNS 32205 and EN 10088-1 grade 1.4462 may be accepted as equivalent to UNS 31803 as shown in LR Rules when properties meet the Rule requirements.

Valid Until: 12 November 2020 Date of Issue: 13 November 2017

Gavin Young

Metallurgical Specialist to Lloyd's Register EMEA A member of the Lloyd's Register group

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^{**} Grade UNS 32304 may be accepted as equivalent to 316L as shown in LR Rules when properties meet the Rule requirements.

^{*} The LR certification of Grade 32101 in accordance with EN 10088-2 grade 1.4162, is only permissable for projects for which the use of this grade has been specifically approved by LR plan appraisal.



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OUTOKUMPU STAINLESS AB BA Europe Degerfors Operations (QPE), S-693 81 Degerfors, Sweden

has been approved as a manufacturer in accordance with the requirements of Lloyd's Register for :-

Steel Plates

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials. The full details of the processes and grades to which this approval applies are given in the Appendix of this certificate.

Lloyd's Register is to be notified of any change that may affect the validity of this Certificate.

This Certificate is issued to the above manufacturer and is valid until the date given below.

Valid Until: 12 November 2020 Date of Issue: 13 November 2017

Gavin Young

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