outokumpu (Qualification Test Record (QT NORSOK M-650			R. No.: 04 - 2012	
				Re	v. No.:6
Manufacturer name/address/ Web page: Reference standard Outokumpu Stainless AB, Av Sweden www.outokumpu.com NORSOK M-650, Edition 4			esta Works, P.O.	Box 74, SE 77	7422 Avesta,
Material designation	ASTM A240: U	INS S32304; EN 1	10088-2 & 10028-7	1.4362	P. P. Carlotte and
and MDS No.:Outokumpu NManufacturingMS NORSOSummary doc. No.:		IDS – D35, Rev 4 K 18-2304			v. No.:1
Products and manufacturing process(es):	Hot and cold rolled stainless steel plate, sheet and strip Hot rolled: Melting – Casting – Hot Rolling – Annealing and Pickling – Finishing and testing Cold rolled: Melting – Casting – Hot Rolling – Annealing and Pickling – Cold rolling – Annealing and pickling – Finishing and testing				
Mandatory conditions and sub-contractors:	picking – rimsning	g and testing	10001		
Other information: Qualification expires:	Outokumpu MDS to some Nitride precipi A supplementary to material. The test precipitates. The corrosion resistance. The test programm suitability of the material by the end user. 2. Temperature of	D35, rev 4, allowing moitates; see Section 4 est programme with 3 programme shows that orrosion resistance (C (CPT) of the welds are shows that UNS 32 aterial for a specific apquenching medium in	I6L SS as reference hat toughness and weldat PT) of UNS 32304 bas match that of 316L SS. 304 meets the requirem plication should be eva	in the chemical comes been carried out of collity are not adverse a material is better the control of the colling in Outokumpu	position resulting in n base and welded ely affected by the nan 316L SS. The MDS-D35 rev 4. The
	Tested and	qualified th	ickness and	weight	
Products and manufacturing process(es): Hot rolled plate and strip	Test record No.	Tested thickness mm	Qualified thickness mm Max 12,5	Test piece weight kg	Qualified weight kg N/A
Cold rolled plate, sheet and strip	Qualification test report UNS 32304 CR Qualification test	6	Max 7,5	N/A	N/A
ļ	report Qualifica	ation/accept	tance signati	ures	
Manufacturer: Outokumpu Stainless AB, Avesta Works Prepared by/Date: Product Dev.: Kristina Wretstam, 2018-09-01			Checked by/Date: Mgr product technology: Johan Nordström 2018-09-01 Johan Nordström		
This acceptance does	and this QTR are DRSOK M-650 for not exempt any p for his products w	evaluated and for supply of the abourchaser from his ithin the essential	und to be in compli we listed products responsibility to el variables of NORS	ance with the re and materials. Insure that this questions of the second	quirements of ualification is valid
Qualified/Accepted by	/address):	Signature/Date: 27/3/2018 Milli Ulihlum			