Degerfors Long Products	**Qualification Test Record (QTR) NORSOK M-650**	*QTR. No.: QTR 2205-02 2015* *Ver. No.: 6*
Manufacturer name/address/ Web page:	Degerfors Long Products AB, SE 693 81 Degerfors, Sweden www.cognedegerfors.com	
Reference standard	NORSOK M-650, Edition 4 (In compliance with ISO 17782:2018)	
Material designation and MDS No.:	ASTM A479: UNS S31803 UNS S32205; MDS D47, Rev. 6	
Manufacturing Summary doc. No.:	MS NORSOK 2205 Thermotech Värmebehandlingscenter AB	*Ver. No.: 6*
Products and manufacturing process(es):	**Hot rolled bar for machining of components with welding ends** **Hot rolled:** Melting – Casting – Bloom heating – Rolling – Batch heat treatment – Testing – Possible surface finishing (peeling or grinding)	
Mandatory conditions and sub-contractors:	a) Start Material: Continous cast bloom from either Marcegaglia Stainless Sheffield Ltd. SMACC, Sheffield, UK or from Cogne Acciai Speciali S.p.A, Aosta, IT b) Heat treatment at Thermotech Värmebehandlingscenter AB, Karlskoga, Furnace 12-157 c) Test specimen preparation at Micke Stridh AB, Degerfors or Element Materials Technology, Karlskoga d) Testing at Outokumpu Stainless AB, QPE Degerfors or Element Materials Technology, Karlskoga	
Other information:	1. Verification of heat treatment procedure has been carried out. Reports (VER-005 and VER-006) are attached in this QTR 2. QTR updated to comply with production testing to MDS D47 Rev 6 3. QTR Rev 5 updated with change of company name to Cogne Degerfors Long Products and addition of blooms from Cogne	
Qualification expires:	December, 2025	

Tested and qualified thickness and weight

Products and manufacturing process(es):	***Test record No.***	***Tested thickness mm***	***Qualified thickness mm***	***Test piece weight kg***	***Qualified weight kg***
Bars for machining of components with welding ends	UNS S32205 Qualification test report	200	Max 200	N/A	N/A

Qualification/acceptance signatures

Manufacturer:	***Prepared by/Date:***	***Checked by/Date:***
Degerfors Long Products AB	EHSQ Manager: Jessica Wasserfaller 2025-04-24	Technical Manager and Managing Director: Sara Randström 2025-04-24

The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.

This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.

Qualified/Accepted by *(company name /address):*	***Signature/Date:***
Aker Solutions AS PO Box 94 1325 Lysaker, Norway AkerSolutions Fornebu, Norway NO 929 877 950 VAT	28/04/2025 André Mikkelsen