

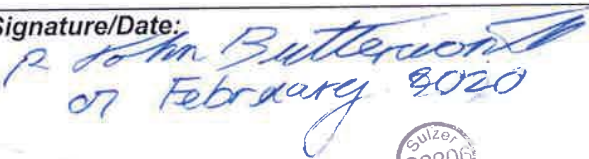
	Qualification Test Record (QTR) NORSOK M-650			QTR No.:UAPL/QTR/01	
				Rev. No.:01	
Manufacturer name/address/Web page:	M/s.Ultimate Alloys Private Limited, Trichy Road, Sulur,Coimbatore- 641 402, Tamil Nadu. E-Mail: ultimate@ultimatealloys.com Web: www.ultimatealloys.com				
Reference standard	NORSOK M-650, Edition 4,september 2011				
Material designation and MDS No.:	ASTM A995 Gr. 4A (UNS J92205)Norsok M-630 Edition 6, october 2013 MDS D46, Rev. 5,				
Manufacturing Summary doc. No.:	Manufacturing summary for 4A (UNS J92205) sand casting Doc.No : UA/MS/M650/02/4A Dated 20.02.2019			Rev. No.:01	
Products and manufacturing process(es):	Products: Ferritic/Austenitic Stainless Steelcastings Type 22Cr duplex ASTM A995 Gr.4A (UNS J92205) Production route No. UA/MS/M650/02/4A Rev.01 (Hand Mould Sand Castings.)				
Mandatory conditions and sub-contractors:	<ul style="list-style-type: none"> • AOD refined raw material(Blooms/Billets/Plates)from steel manufacturer Garodia Mumbai is certified for IATF 16949and no Foundry Returns allowed. Material testing is carried out at ISO/IEC 17025 accredited test house as below Metallurgical services Pvt.Ltd. Mumbai or other approved laboratory. • Heat treatment, Repair Welding done In-house • RT and Machining from Approved Sub-Contractor • Tests according to MDS requirements were performed at ISO 17025 Accredited Laboratory • Change of any Essential Variables according to Norsok M-650 Ed. 4 requires Requalification. • Heat treatment carried out Qualified Furnace No.HTF:06 only • Melting Process : Induction with certified AOD Blooms/billets or/plates • All weld repair required PWHT 				
Other information:	Acid Pickling and Passivation done In-house				
Qualification expires:	07.02.2025				
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
Hand Mould Sand Castings	UA/M650/MTC-01	150	150	543	All
Qualification/acceptance signatures					
Manufacturer: M/s.Ultimate Alloys Private Limited, Trichy Road, Sulur, Coimbatore- 641 402, Tamil Nadu. Web: www.ultimatealloys.com		Prepared by/Date: 07/02/2020  S.DAMODARAN QC-Incharge		Checked by/Date: 07/02/2020  P.SENTHILKUMAR (QA Incharge)	
The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 Ed. 4 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 Ed. 4					
Qualified/Accepted by(company name /address) John Butterworth(Principal Metallurgist) Sulzer Pumps(UK) Ltd Manor Mill Lane Leeds LS11 8BR			Signature/Date:  07 February 2020 