	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. 5A (UNS J93404)Norsok M-630 Edition 6, october 2013 MDS D56, Rev. 5,					
Manufacturing Summary doc. No.:	Manufacturing summary for 5A (UNS J93404) sand casting Doc.No: UA/MS/M650/02/5A Dated 20.02.2019	Rev. No.:01				
Products and manufacturing process(es):	Products: Ferritic/Austenitic Stainless Steel castingsType 25Cr duplex ASTM A995 Gr.5A (UNS J93404) Production route No. UA/MS/M650/02/5A Rev.01 (Hand Mould Sand Castings.)					
Mandatory conditions and sub-contractors:	 AOD refined raw material(Blooms/Billets/Plates)from steel manufacturer Garodia Mumbai is certified for IATF 16949 and no Foundry Returns allowed. Material testing is carried out at ISO/IEC 17025 accredited test house as belowMicro Lab Coimbatore Tamil Nadu 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

Carlot Control

S.DAMODARAN QC-Incharge Checked by/Date: 07/02/2012

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:

P John Butterworth 7th February 2020