




Manufacturer logo 	Qualification Test Record (QTR)				QTR. No.: 4A-C	
	NORSOK M-650				Rev. No.: 09. October 2017	
Manufacturer name/address/ Web page:	Edelstahlwerke Schmees GmbH Rudolf-Diesel-Weg 6-8, 40764 Langenfeld / Germany www.schmees.com					
Reference standard	NORSOK M-650, Edition 4					
Material designation and MDS No.:	ASTM A 995 4A (UNS J92205), MDS D 46 Rev. 5					
Manufacturing Summary doc. No.:	Manufacturing summary [MS06], page 3-22				Rev. No.: 2	
Products and manufacturing process(es):	impeller, diffuser, stage casing, pump casing, etc. static castings, ceramic moulding					
Mandatory conditions and sub-contractors:	<ul style="list-style-type: none"> tensile & impact test and micrographic examination by: TÜV Rheinland Werkstoffprüfung GmbH, Am Grauen Stein, D-51105 Köln radiographic testing by: Tecnotest mbH, Moselstr. 29, D-51371 Leverkusen pickling by: KSO Edelstahlbeizerei GmbH, Essener Str. 16, D-57234 Wilnsdorf corrosion testing by: Analytische Laboratorien GmbH, Industriepark Kaiserau, D-51789 Lindlar quality heat treatment only in furnace no. 03. 					
Other information:	<ul style="list-style-type: none"> Start of renewal 01.2017 Renewed with corrosion testing of test block 					
Qualification expires:	Qualification expires 01.2022					
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	
Stage casing	C438	100	110	71	All	
Qualification/acceptance signatures						
Manufacturer:	Prepared by/Date: SCHAFFAFF, Marcus 09. October 2017			Checked by/Date: BURKELC, Wolfgang 09. October 2017		
<p>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.</p>						
Qualified/Accepted by (company name /address): Aker Solutions AS Snarøyveien 20, 1360 Fornebu PO Box 222, 1326 Lysaker Norway				Signature/Date: 31/10/2017 