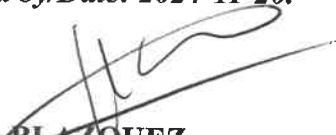



	<b>Qualification Test Record (QTR)</b> <b>NORSOK M-650</b>				QTR. No.: TR_CN3MN_01 Rev. No.: 4	
<b>Manufacturer name/address/ Web page:</b>	ACEROS MOLDEADOS DE LACUNZA, SA LAKUNTZA / ARBIZU (SPAIN) <a href="http://www.amlsa.com">www.amlsa.com</a>					
<b>Reference standard</b>	NORSOK M-650, Edition 4					
<b>Material designation and MDS No.:</b>	<ul style="list-style-type: none"> <li>ASTM A351 Gr. CN-3MN</li> <li>NORSOK M-630:2020 (MDS R16, Rev. 6)</li> </ul>					
<b>Manufacturing Summary doc. No.:</b>	MS_CN3MN_01				Rev. No.: 4	
<b>Products and manufacturing process(es):</b>	CASTINGS (sacrificial component valve body DN450 (18") Cl. 600) Sand Moulding with Phenolic Binder AOD route: remelting of 100% AOD refined charge material Production to follow the process of the approved QTR					
<b>Mandatory conditions and sub-contractors:</b>	<ul style="list-style-type: none"> <li>- Castings heat treated in current furnaces (H-6)</li> <li>- Raw material: AOD scrap material</li> <li>- Not destructive tests: radiographic (subcontracted to external qualified company S.C.I.) &amp; dye penetrant</li> <li>- Destructive tests (subcontracted to external qualified laboratory AZTERLAN) : tensile test &amp; corrosion test</li> </ul>					
<b>Other information:</b>	<ul style="list-style-type: none"> <li>PWHT to be carried out of all weld repairs.</li> <li>Verification of heat treatment procedure carried out for furnace H-6 (Arbizu), report No. 13670-T.</li> </ul>					
	Rev. 4 of this QTR concerns editorial corrections					
<b>Qualification expires:</b>	December 2028					
<b>Tested and qualified thickness and weight</b>						
<b>Products and manufacturing process(es):</b>	<b>Test record No.</b>	<b>Tested thickness</b> mm	<b>Qualified thickness</b> mm	<b>Test piece weight</b> kg	<b>Qualified weight</b> kg	
Sand casting	TR CN3MN 01	130	130	645	All	
<b>Qualification/acceptance signatures</b>						
<b>Manufacturer:</b>	<b>Prepared by/Date:</b> 2024-11-20.  <b>Cristina BLAZQUEZ</b>		<b>Checked by/Date:</b> 2024-11-20.  <b>Ion MARTINEZ</b>			
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.						
<b>Qualified/Accepted by (company name /address):</b>  <b>Aker Solutions</b> Fomebu, Norway NO 929 877 950 VAT			<b>Signature/Date:</b>  02/12/2024			