A		Qualification Test Record (QTR) NORSOK M-650			R)	QTR.No.: TR_CK3MCuN_01
AML						Rev. No.:2
Manufacturer name/address/ Web page:		ACEROS MOLDEADOS DE LACUNZA, SA LAKUNTZA / ARBIZU (SPAIN) www.amlsa.com				
Reference standard		NORSOK M-650, Edition 4				
Material designation and MDS No.:		 ASTM A351 Gr. CK-3MCuN NORSOK M-630 Ed. 6 (MDS R16, Rev. 5) 				
Manufacturing Summary doc. No.:		MS_CK3MCuN_01				Rev. No.: 3
Products and manufacturing process(es):		CASTINGS (sacrificial component valve body DN450 (18") Cl. 600) Sand Molding with Furan Binder AOD route: remelting of 100% AOD refined charge material Production to follow the process of the approved QTR				
Mandatory conditions and sub-contractors:		- Castings heat treated in current furnaces (H-6) - Raw material: AOD scrap material - Not destructive tests: radiographic (subcontracted to external qualified company S.C.I.) & dye penetrant - Destructive tests (subcontracted to external qualified laboratory AZTERLAN): tensile test & corrosion test				
Other information:		 PWHT to be carried out of all weld repairs Verification of heat treatment procedure carried out for furnaces H-6 (Arbizu), report no IN-17761. 				
Qualification expires:		December 2023				
				kness and wei	_	
Products and manufacturing process(es):	Test	record No.	Tested thickness mm	Qualified thickness mm	Test pied weight kg	
Sand casting	TR_CI	K3MCuN 0	130	130	645	All
		Qualifica	4 and a contar	as sign of unos		
Manufacturer: Prepared by/Pate: 12 - 12 - 12 - 12 - 12 - 12 - 12 - 12						
		supply of the any purchaser fr	e above listed prod om his responsibilit	octs and materials. y to ensure that this		NORSOK M-650 for is valid for his products
Qualified/Acce				·	e: 12/1	2/2018
Aker Engineering & Technology AS Reg.nr. 879 817 552				Signature/Date: 12/12/2018 Inch- Wiphelom		