



Certificate No : MD00/3352/0004/7b

**LEBRONZE ALLOYS GERMANY GmbH- HUNDT & WEBER**  
**Birlenbacher Str. 1**  
**57078 Siegen**  
**Germany**

has been approved as a manufacturer in accordance with the requirements of Lloyd's Register for :-

**Copper Alloy Castings for Valves, Liners, Bushes and Fittings**

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials. The full details of the processes and grades to which this approval applies are given in the Appendix of this certificate.

Lloyd's Register is to be notified of any change that may affect the validity of this Certificate.

This Certificate is issued to the above manufacturer and is valid until the date given below.

**Valid Until : 18 June 2019**  
**Date of Issue : 03 August 2016**

A handwritten signature in blue ink, appearing to read 'Clive Arnold', written over a horizontal line.

**Clive Arnold**  
Senior Metallurgical Specialist to Lloyd's Register EMEA  
A member of the Lloyd's Register group



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Appendix 1

**LEBRONZE ALLOYS GERMANY GmbH- HUNDT & WEBER**  
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Short freezing range alloys	Alloy Type	Designation	tonnes Maximum
	Copper 30% nickel	CuNi30Cr*	19.00
		CuNi30Nb*	19.00
	Copper 10% nickel	CuNi10Nb*	19.00
	Aluminium bronze	CuAl10Fe5Ni5	19.00
		CuAl11Fe6Ni6	19.00

\*Accepted for approved applications.

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**Clive Arnold**

Senior Metallurgical Specialist to Lloyd's Register EMEA  
A member of the Lloyd's Register group