



Certificate No : MD00/4438/0002/7b

SAINT REMY INDUSTRIE
Rue de l'Embarcadère
03600 Commentry
France

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 : 19 March 2018
Date of Issue : 18 April 2015

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



Lloyd's Register and variants of it are trading names of Lloyd's Register Group Limited, its subsidiaries and affiliates. Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Certificate No : MD00/4438/0002/7b

Appendix 1

SAINT REMY INDUSTRIE

Rue de l'Embarcadère

03600 Commentry

France

Long freezing range alloys	Alloy Type	Designation	tonnes Maximum	
Long freezing range alloys	Phosphor bronze	CuSn11P	1.50	
		CuSn12	1.50	
	Gunmetal	CuSn10Zn2	1.50	
		CuSn5Zn5Pb5	1.50	
		CuSn7Zn2Pb3	1.50	
		CuSn5Pb5Zn5	1.50	
	Leaded gunmetal	CuSn7Zn4Pb7	1.50	
		CuSn6Zn4Pb2	1.50	
		CuSn7Zn2Pb3	1.50	
		CuSn10Pb10	1.50	
	Leaded bronze	CuSn5Pb9	1.50	
		CuSn5Pb20	1.50	
		CuSn7Pb15	1.50	
Short freezing range alloys	Alloy Type	Designation	tonnes Maximum	
Copper 30% nickel	Copper 30% nickel	CuNi30Fe1Mn1	1.50	
		CuNi30Fe1Mn1NbSi	1.50	
		CuNi30Cr2FeMnSi	1.50	
Copper 10% nickel	Copper 10% nickel	CuNi10Fe1Mn1	1.50	
		CuNi10FeMn1	1.50	
Aluminium bronze	Aluminium bronze	CuAl10Fe5Ni5	1.50	
		CuAl11Fe6Ni6	1.50	

Valid Until : 19 March 2018

Date of Issue : 18 April 2015

Lili Hou

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



Lloyd's Register and variants of it are trading names of Lloyd's Register Group Limited, its subsidiaries and affiliates. Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.