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Certificate No: LR2003857WA Issue Date: 08/04/2020 Expiry Date: 07/04/2023

Copper Alloy Castings For Valves, Liners, Bushes And Fittings

Manufacturer Ok Kwang Engineering Co Ltd

Address #86, Hakjang-ro 169 beon-gil, Sasang-gu, Busan, Korea, Republic of

Type Long Freezing Range Alloys

Scope of Approval Copper Alloy Castings for Valves, Liners, Bushes and Fittings.

Maximum weight, 50 kg / 0.05 tonnes.

Leaded Gunmetal - CuSn5Pb5Zn5

Approved for all long freezing range alloys.

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 on subsequent pages of this certificate.

This certificate is issued to the named manufacturer, and is valid until the expiry date specified. Lloyd's Register is to be notified of any change that may affect the validity of this certificate, and reserves the right to cancel or withdraw this certificate.



Clive Arnold

Senior Metallurgist to Lloyd's Register EMEA A member of the Lloyd's Register Group

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Copper Alloy Castings For Valves, Liners, Bushes And Fittings

Copper Alloy Castings for Valves, Liners, Bushes and

Leaded gunmetal

Grades **Maximum Weight** Units

Fittings

CuSn5Pb5Zn5

0.05

Tonnes



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