DNV·GL

Certificate No:
MEDD00001RM

QS - CERTIFICATE OF ASSESSMENT - EC (MODULE D)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Quality System for the products

with type designation(s) as specified in the Appendix to this Certificate

Issued to

Huahai Marine Signals Manufacturing Co., Ltd.
Haimen, 100, China

is found to comply with the applicable requirements.
The quality system has been assessed with respect to the procedure of conformity assessment described in Annex II, Module D in the directive 2014/90/EU and regulation (EU) 2018/773.

This Certificate is valid until **2019-11-19**.

Issued at **Hamburg** on **2018-12-17**

DNV GL local station:
Nantong

Approval Engineer:
Didier Girardin

Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudszus
Head of Notified Body

The manufacturer is allowed to affix the U.S. Coast Guard approval number(s) as stated in the appendix attached hereto and as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

0098/yyyy

0098: Notified Body number undertaking quality surveillance
yyyy: The year in which the mark is affixed

The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate authorizes the manufacturer in conjunction with the valid EC Type Examination (Module B) Certificate(s) of the equipment listed before to affix the Mark of Conformity (wheelmark) to the product described herein.
This certificate loses its validity if the manufacturer makes any changes to the approved quality system, which have not been notified to, and agreed with the notified body named on this certificate. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
The Manufacturer has to apply for periodical audits to verify the maintenance and application of the quality system every 12 months.

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APPENDIX

Item no. MED/1.10 Buoyant smoke signals (pyrotechnics)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
Buoyant smoke signals (pyrotechnics) 1059762 Hygrapha [1]	1444815 HH	2020-06-11	0098	160.122/EC0098 /1444815
Buoyant smoke signals (pyrotechnics) JHB-4[1]	1361514 HH	2019-11-19	0098	160.122/EC0098 /1361514

Item no. MED/1.11 Line-throwing appliances (pyrotechnics)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
Line-throwing appliances JHTP-3[1]	4209615 HH	2020-11-11	0098	160.040/EC0098 /4209615
Line-throwing appliance JHT-4[1]	1361714 HH	2019-11-19	0098	160.040/EC0098 /1361714

Item no. MED/1.2b Position indicating lights for lifebuoys

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
HLS-3 Lifebuoy Self-Igniting Light (combining self-activating smoke signal (MOB) HS-3)[1, 2]	MEDB00003Z6 Rev.1	2023-09-10	0098	N/A

Item no. MED/1.3 Lifebuoys self-activating smoke signals

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
Lifebuoy self-activating smoke signal. HS-3 [1, 2]	MEDB00003Z5 Rev.1	2023-09-10	0098	160.157/EC0098 /MEDB00003Z5 Rev.1
Lifebuoy self-igniting light and self-activating smoke signal (MOB) JHL-4 & JHLS-4[1]	1361614 HH	2019-11-19	0098	160.157/EC0098 /1361614

Item no. MED/1.8 Rocket parachute flares (pyrotechnics)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
Rocket parachute flares (pyrotechnics) 1059760 Hygrapha[1]	1443115 HH	2020-06-11	0098	160.136/EC0098 /1443115
Rocket parachute flares (pyrotechnics) JHR-4[1]	1361314 HH	2019-11-19	0098	160.136/EC0098 /1361314

Item no. MED/1.9 Hand flares (pyrotechnics)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
Hand flares (pyrotechnics) JHH-3[1]	4207715 HH	2020-11-11	0098	160.121/EC0098/4207715
Hand flares (pyrotechnics) 1059761 Hygrapha[1]	1444715 HH	2020-06-11	0098	160.121/EC0098/1444715
Hand flares (pyrotechnics) JHH-4[1]	1361414 HH	2019-11-19	0098	160.121/EC0098/1361414

Places of production

1.Huahai Marine Signals Manufacturing Co., Ltd., Ruijiang Road, Haimen, China
2.Dongtai City Welfare Fireworks Signal Factory, Xinjie Village, Xinjie Town, Dontai City, China