

EC Certificate

Type Examination (Module B)

This is to certify that:

Germanischer Lloyd, a Notified Body under the terms of the Marine Equipment Directive 96/98/EC of 20 December 1996, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 96/98/EC as amended, subject to any conditions in the schedule attached hereto.

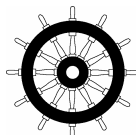
Certificate No.	94 714 - 10 HH
Applicant	Ningbo Zhenhua Life-saving Equipment Co., Ltd. 111, Yingang Road, Xizhou, Xiangshan 315722 Ningbo, P.R. CHINA
Manufacturer	Ningbo Zhenhua Life-saving Equipment Co., Ltd. 111, Yingang Road, Xizhou, Xiangshan 315722 Ningbo, P.R. CHINA
Product Description	Inflatable Liferafts (throw over-board type)
Product Name	ZHR-A6, ZHR-A10, ZHR-A15, ZHR-A16, ZHR-A20, ZHR-A25
Trade Name	Eurosul / Sollax A6, Eurosul / Sollax A10, Eurosul / Sollax A15, Eurosul / Sollax A16, Eurosul / Sollax A20, Eurosul / Sollax A25
Specified Standards	SOLAS 74 as amended Reg. III/4, III/13, III/21, III/26, III/31 and III/34, X/3, LSA-Code I and IV, IMO Res. MSC.81(70), MSC/Circ.811, 1994 and 2000 HSC Code 8, ISO 15738
Related Directive	2009/26/EC
Equipment Section	Life-saving appliances
Annex A.1 Item No.	A.1/1.12
Date of Re-issue	2011-04-27
Expiry Date	2015-06-09

Germanischer Lloyd

Notified Body No.: 0098

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Nils Wegener

Schedule of Approval

Additional Standards

MSC.218(82), MSC.226(82)

Approval Documentation

Test reports from GL Ningbo dated 2010-04-20,
Audit D report from GL Ningbo dated 2010-01-29,
Design Calculation for ZHR-A Model Inflatable Liferaft,
Maintenance Manual for ZHR-A/D Inflatable Liferaft.

Technical Data

Conditions of Certification:

Type:	Persons	Weight [kg]		Required bollard pull [kN]		max. Stowage Height
		SOLAS A	SOLAS B	(2 kn)	(3 kn)	
ZHR-A6	6	81	66	0.50	1.00	35 m
ZHR-A10	10	101	78	0.60	1.10	35 m
ZHR-A15	15	131	98	0.70	1.15	35 m
ZHR-A16	16	133	98	0.70	1.15	35 m
ZHR-A20	20	166	123	0.90	1.48	35 m
ZHR-A25	25	194	141	1.15	1.65	35 m

1. The equipment and marking of the liferaft shall be in accordance with LSA-Code 4.1.5.
2. The liferafts are to be serviced annually, provided where in any case this is impracticable, the administration may extend this period to 17 month. They shall be serviced at approved service stations which are authorised by the manufacturer.
3. Production tests are to be conducted in accordance with IMO Resolution MSC.81(70) Part 2 and recorded by the manufacturer in accordance with the approved Production Quality Assurance system for Module D of the Marine Equipment Directive 2009/26/EC as amended.

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Remarks

The liferaft ZHR-A25 with SOLAS emergency pack type A has a mass of 194 kg and may not be used for positions where side to side transferability is required.

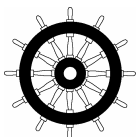
Limitations on the acceptance or use of the product

None

Notes:

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform Germanischer Lloyd, as the Notified Body, of any modifications or changes to the approved equipment.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body.