

DNV GL SE • P.O. Box 11 16 06 • 20416 Hamburg/Germany

Shanghai Youlong
Rubber Products Co., Ltd.
Diansen Liu
20, Xinchun Village, Chuansha Town Pudong New Area
Shanghai 201205, P.R. CHINA

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Your reference	Your letter of	Our reference	Extension	Date
		NiW/14-035362	+49 40 36149-9929	2014-04-16

EC Certificates for Inflatable Liferafts

Dear Sir or Madam,

Please find attached the EC Type Examination Certificate and EC Certificate of Conformity 95023-10 HH and 95025-10 HH for the above mentioned equipment.

Please note that the reports of the QMS audits periodically carried out are to be submitted to GL Hamburg in due time.

Before the equipment is placed on the market you have to affix the mark of conformity (wheel mark) to each product and draw up a written declaration of conformity. The mark shall be followed by our identification number 0098 and by the last two digits of the number of the year in which the mark is affixed, e.g. 0098-xx.

The declaration of conformity shall contain the following:

- description of the equipment to which it refers,
- reference to the specifications under which conformity is declared,
- identification of the signatory empowered to bind the manufacturer,
- reference to the EC type-examination certificate issued as above.

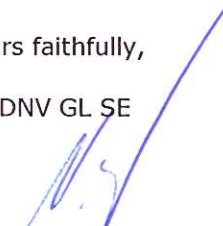
Please inform us about any modification of the equipment. Depending on the kind and extent of the modification a re-examination of the equipment may be necessary.

The statement of fees will be sent to you by separate mail.

Should you have any questions concerning the service please do not hesitate to contact us.

Yours faithfully,

for DNV GL SE



Nils Wegener

NB: All products certified in accordance with MED are listed on MarED webpage <http://www.mared.org/>

Chairman of the Supervisory Board: Henrik O. Madsen • **Executive Board:** Joachim Segatz (Chairman) • Tor E. Svensen
DNV GL SE, Registered Office Hamburg No. HRB 115442

The latest edition of the General Terms and Conditions of DNV GL SE is applicable.

EC Certificate Type Examination (Module B)

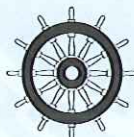


This is to certify that:

Germanischer Lloyd, a Notified Body under the terms of the Marine Equipment Directive 96/98/EC of 20 December 1996, notified by the German Federal Ministry of Transport, Building and Urban Development, 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.	95 025 - 10 HH
Applicant	Shanghai Youlong Rubber Products Co., Ltd. 20, Xinchun Village, Chuansha Town Pudong New Area Shanghai 201205, P.R. CHINA
Manufacturer	Shanghai Youlong Rubber Products Co., Ltd. 20, Xinchun Village, Chuansha Town Pudong New Area Shanghai 201205, P.R. CHINA
Product Description	Inflatable liferafts, KHA, throw over-board, SOLAS A and B Pack
Product Name	KHA-6, KHA-10, KHA-15, KHA-20, KHA-25, KHA-30, KHA-35
Trade Name	YOULONG / SEA SAFE / DUARRY / UNITOR / VANGUARD
Specified Standards	SOLAS 74 as amended Reg. III/4, 13, 21, 26, 31 and 34, X/3 LSA-Code I, IV, MSC/Circ.811, 1994 and 2000 HSC Code Chapter 8, IMO Res. MSC 81(70), MSC.207(81), MSC.218(82), MSC.226(82), MSC.295(87), MSC.323(89)
Related Directive	2012/32/EU
Equipment Section	Life-saving appliances
Annex A.1 Item No.	A.1/1.12
Date of Re-issue	2014-04-15
Expiry Date	2017-04-04

Germanischer Lloyd



Nils Wegener
Nils Wegener

Notified Body No.: 0098



Certificate No: 95 025 - 10 HH Date of Re-issue: 2014-04-15

Schedule of Approval

Additional Standards

ISO 15738(2002)

Approval Documentation

Test reports: Germanischer Lloyd Shanghai 62842 SHA of 2002-01-22 and
2002-02-05, 2006-03-20, 2007-04-05, 2007-07-12,
2008- 07-21, 11653 SHA of 2010-05-14,
GL SHA of 2011-07-11 and 2013-02-01, W(x)2012-230

Drawings: KHA-6-00/01/02/03, KHA-10-00/01/02/03, KHA-15-00/01/02/03,
KHA-20-0000, KHA-25-0000, KHA-30-00, KHA-35-00

Technical Data

Conditions of Certification:

Max. Stowage Height: 40 m

Type:	Persons 82.5 kg	Weight [kg]		Required bollard pull [kN]	
		SOLAS A	SOLAS B	(2 kn)	(3 kn)
KHA-6	6	75	60	0,63	1,18
KHA-10	10	98	78	0,67	1,40
KHA-15	15	127	97	0,90	2,05
KHA-20	20	162	120	1,00	2,25
KHA-25	25	183	139	1,25	2,40
KHA-30	30	198	152	1,70	2,65
KHA-35	35	223	158	1,90	2,80

1. The equipment and marking of the liferaft shall be in accordance with LSA-Code 4.1.5. and 4.2.7.
2. The liferafts are to be serviced annually 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 96/98/EC as amended.

Certificate No: 95 025 - 10 HH Date of Re-issue: 2014-04-15



Remarks

The liferafts KHA-30 (Solas A pack) and KHA-35 (Solas A pack) have a mass above 185 kg and may not be used for positions where side to side transfer is necessary.

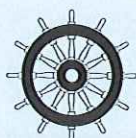
Limitations on the acceptance or use of the product

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.

EC Certificate of Conformity Quality System (Module D)



Germanischer Lloyd as the notified body, notified by the German Federal Ministry of Transport, Building and Urban Development, performing the quality assessment procedures certifies that the manufacturer maintains and applies a quality system which is in compliance with the requirements of the Marine Equipment Directive (MED) 96/98/EC, as amended, ensuring that the equipment identified below is conform to the type as described in the EC Type Examination Certificate, subject to any conditions in the annex attached hereto.

Certificate No. 95 023 - 10 HH

Manufacturer **Shanghai Youlong
Rubber Products Co., Ltd.
20, Xinchun Village, Chuansha Town Pudong New Area
Shanghai 201205, P.R. CHINA**

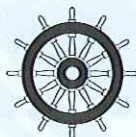
Scope:
A.1/1.12 Inflatable liferafts

Related Directive 2012/32/EU

Date of Re-issue 2014-04-15

Expiry Date 2017-04-04

Germanischer Lloyd




Nils Wegener

Notified Body No.: 0098

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Remarks

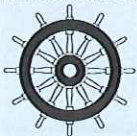
None

Notes:

This certificate authorises the manufacturer in conjunction with the EC Type Examination (Module B) Certificate 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 or modifications to the approved quality system, which have not been notified to, and agreed with the notified body named on this certificate and/or after lapse of time, withdrawal or revocation of the EC Type Examination (Module B) Certificate.

Wheelmark Format and application:



0098/yy

0098
yy

Notified Body number undertaking quality surveillance
Last two digits of year in which the mark is affixed



Annex to
 Certificate No: 95 023 - 10 HH Date of Re-issue: 2014-04-15

Item	Item Description			
	Product Name			
	Trade Name			
	Module B No.	Date of issue	Date of expiry	Notified Body
	USCG Approval No.			
	Comment to USCG Approval (if applicable)			
A.1/1.12	Inflatable liferafts			
	KHA-6, KHA-10, KHA-15, KHA-20, KHA-25, KHA-30, KHA-35			
	YOULONG / SEA SAFE / DUARRY / UNITOR / VANGUARD			
	95 025 - 10 HH	15.04.2014	04.04.2017	0098