

## EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that :

LLOYD'S REGISTER VERIFICATION LIMITED (LRV), specified as a "notified body" under the terms of The Merchant Shipping (Marine Equipment) Regulations S.I. 1999 No. 1957, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Life Saving Appliance requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Commission Directives 98/85/EC, 2001/53/EC, 2002/75/EC, 2002/84/EC, 2008/67/EC, 2009/26/EC and 2010/68/EU subject to any conditions in the Design Appraisal Document attached hereto.

**Manufacturer** Takashina Life Preservers Co., Ltd

**Address** 1-1-30, Kuboyoshi, Naniwa-Ku  
Osaka, 556-0028  
Japan

**Annex A1 Item** A.1/1.4 - LIFEJACKETS

**Product Type** LIFEJACKETS

**Product Description** Inherently Buoyant Adult Lifejacket – Type: "TK-006A"

**Specified Standard** IMO Resolution MSC.81(70) Part 1 as amended by resolution MSC 200(80) and MSC 226(82).

The attached Design Appraisal Document (schedule) forms part of this certificate.  
This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue 26 July 2011 Expiry date 25 July 2016

Certificate No. MED 1150199

Signed



Sheet No 1 of 3

Name

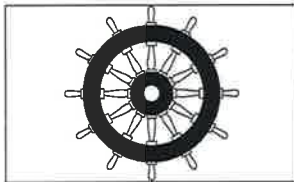
L. Thomas

For and on behalf of Lloyd's Register Verification

LRV EC Distinguishing No. 0038

Note:

This certificate is not valid for equipment; the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify the notified body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.



0038/yy

Subject to compliance with the conditions in the attached Design Appraisal Document (schedule), which forms part of this certificate, and those of Articles 10.1(i) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.

yy Last two digits of year mark affixed.

**This certificate is issued under the authority of the MCA.**

"Lloyd's Register Verification is the business name of Lloyd's Register Verification Limited, a member of the Lloyd's Register Group.

Registration number 4929226.

Registered office 71 Fenchurch Street, London EC3M 4BS, England

"Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group 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 Group 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."

**DESIGN APPRAISAL DOCUMENT**

Date 26 July 2011	Quote this reference on all future communications LDSO/TA/SFS/LT
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**ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1150199**

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

**EXAMINED DOCUMENTATION**

Finished products dimensions and weight, DWG No: TK011810 -A01R3, dated 27-06-2011.  
Lifejacket Donning Instruction

**TEST REPORTS**

<u>Report Title or Author</u>	<u>Report No.</u>	<u>Date</u>
Test report for foam flotation material	110-21085.a	12-10-2011
Test report for river text fabric	SPC0181943/1004/ issue 3	9th April 2010
Test report for the webbing	091054	03.02.2010
Test report for polyester thread	1010199	31.05.2010
Test report for the buckle	107-38263.b	27-08-2008
Force Technology test report for Adult lifejacket	110-33560.C	20-06-2011
Force Technology test report for Adult lifejacket	111-29012	18-07-2011

**CONDITIONS OF CERTIFICATION**

<b>Materials</b>	Buoyancy Foam	L-3000 manufactured by Changzhou Sanhe
	Cover Fabric	300 Orange manufactured by Rivertext Technical Fabric
	Front Buckle	ITW NEXUS SS 40

1. The lifejacket is approved only for use by adults of a weight 43 kg or above, each lifejacket is to be marked accordingly.
2. The measured buoyancy of this lifejacket design is 156 N.
3. Each lifejacket shall also be marked with the information required by LSA Code, Regulation I/1.2.2.9 and II/2.2.1.10.
4. An approved lifejacket light meeting the requirements of the LSA Code Regulation II/2.2.3 together with a whistle meeting the requirements of LSA Code regulations II/2.2.1.14 are to be fitted. The light is to be tested and meet the requirements of IMO Resolution MSC.81(70), Part I, 10.3 and 10.4, and its attachment to the Lifejacket confirmed.

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5. If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to its being supplied to vessels to which the amended standards apply.
6. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process. The wheelmark cannot be affixed to the product until a conformity assessment module is in place.
7. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81(70), Part 2 and be recorded by the manufacturer in accordance with either the approved Production Quality Assurance system (Module D), a Product Quality Assurance (Module E) or witnessed by the Notified Body (LR) as required by the Product Verification (Module F) of the Marine Equipment Directive. This does not preclude any further testing to additional requirements of the Marine Administration of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that Administration.
8. Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place.
9. Should a change of Place of Production from that stated below be required i.e. where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained.

**PLACE OF PRODUCTION**

Shanghai Haishi Sports & Life Preservers Co. Ltd.  
266 Rui Xiang Lu  
Pudong New Area  
Shanghai 201209  
People's Republic of China

*L. Thomas*



L. Thomas  
Senior Surveyor  
For and on behalf of Lloyd's Register Verification  
LRV EC Distinguishing No. 0038