

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00001NY
Revision No:
1

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

This is to certify:

That the Lifejackets

with type designation(s)
Sea Life (Adult, Child and Infant)

Issued to

Hansen Protection AS
MOSS, Norway

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2021/1158,

item No. MED/1.4. SOLAS 1974 as amended, Reg. III/4, III/7, III/22, III/34 & X3, LSA Code, 2000 HSC Code 8 and IMO MSC/Circ.922, IMO MSC.1/Circ.1304 and 1470.

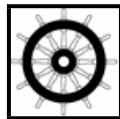
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2027-03-13**.

Issued at **Høvik** on **2022-03-14**

DNV local station:
East & South Norway CMC

Approval Engineer:
Tessa Bieber



Notified Body
No.: **0575**



for **DNV AS**

Digitally Signed By:
Øyvind Hoff
Location: DNV Høvik, Norway
on behalf of

Sverre Olav Bergli
Head of Notified Body



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. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

“Sea Life (Adult, Child and Infant)”

Are inherently buoyant lifejackets for Adult, Child & Infant with the following inherent buoyancy:

- Approximate inherent buoyancy of adult prototype:152 N
- Approximate inherent buoyancy of child prototype:123 N
- Approximate inherent buoyancy of infant prototype:78 N

Material	Type designation	Manufacturer
Buoyancy Material:	Ethafoam Nova, T11404.150, Livbelteband thickness 50 mm and Fawolen	DOW Europe GMBH, Concordia, Tekstil-Band AS and by Fagerdala Industri AB
Buoyancy Material:	Pepi, product code 392119000, thickness 50 mm	Seamaster SIA, Latvia
Buoyancy Material:	Cellu Float W E, thickness 50 mm	Sealed Air Svenska AB

Application/Limitation

The adult lifejacket is approved for persons of more than 43 kg.

The child lifejacket is approved for persons of 15 - 43 kg.

The infant lifejacket is approved for persons of less than 15 kg.

Retro-reflective materials shall be approved in accordance with the Marine Equipment Directive and bear the MED Mark of Conformity.

The design assessment is based on IMO Res. MSC 48(66) as amended by IMO Res. MSC 207(81), IMO Res. MSC 218(82) and IMO Res. MSC.368(93).

Production testing shall be carried out according to IMO Res. MSC 81(70), part 2.

Type Examination documentation

Drawings	Date
Technical drawings and documentation detailed in DNV folder	2009-02-11
Reports	Date
Project No. 20854, Evaluation and test report for “adult size” by Thelma, Norway	2008-08-26
Project No. 20854, Evaluation and test report for “child size” by Thelma, Norway	2008-08-26
Evaluation and test report for “infant size”	2008-08-26
Project No. 5550/08006, Report by Møreforskning.	2008-09-05
Project No. 5550/93013, Report by Møreforskning,	1992-03-04
Report No. 37221/m1445-168 from Force institute	1995-10-02
Report No. 110989/m1445-493.b from Force institute	1999-01-29
Report No. TX 34691(1)/CI/02 from SGS United Kingdom Ltd,	2002-04-15
Report No. m1445-181261from Force institute	2002-08-21
Test Report No. File no. 108-26176 Rev.1 from Force Technology:	2009-06-23
Test Report No. File no. 109-22079 from Force Technology	2009-03-30
Other	Date
Acceptance of ITW Nexus, Tent Toggle, model B 63.6 mm for life-saving appliance, DNV	2009-07-01.
Test Certificate No. 2230 by Russell House Laboratories Ltd, Meedus division	2003-01-31

Tests carried out

Tests carried out in accordance with Revised Recommendation on Testing of Life-Saving Appliances, IMO Res. MSC. 81(70), part 1, including IMO Res. MSC 200(80), IMO Res. MSC 226(82), IMO Res. MSC 323(89) and IMO Res. MSC 378(93).

Marking of product

The product is to be indelibly marked with name and address of the manufacturer, type designation and date of manufacture. In addition the child lifejacket shall be marked with the appropriate weight range and a child symbol in accordance with IMO Res. A.760(18) and the infant lifejacket according to MSC.1/Circ.1244. The markings shall comply with the LSA Code (IMO Res. MSC.48(66)), item 1.2.2.9 and 2.2.1.6.