

EC-TYPE EXAMINATION CERTIFICATE

Certificate No:
MED-B-9580
Item No:
A.1/1.4
Job Id:
344.1-002079-5

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2013/52/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL under the authority of the Government of the Kingdom of Norway.

This is to certify:**That the Lifejackets**

with type designation(s)
Regatta Thermo Cruise Baby 2010

Issued to
REGATTA AS
ÅLESUND, Norway

is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/1.4 and Annex B, Module B in the Directive. 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.

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

Høvik, 2014-12-18
for **DNV GL**



This Certificate is valid until
2019-09-29

Marianne Strand Valderhaug
for **Marianne Strand Valderhaug**
Head of Department

Notified Body No.: **0575**

DNV GL local office:
Ålesund

Silje Helene Waagaard
Silje Helene Waagaard
Surveyor



The Certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this Certificate invalid. The product liability rests with the manufacturer or his representative in accordance with Council Directive 96/98/EC, as amended. The Mark of Conformity may only be affixed to the product and a Declaration of Conformity may only be issued when the production/product assessment module referred to in the council directive, is fully complied with.

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Product description

Inherently buoyant lifejacket type Regatta Thermo Cruise Baby 2010

Approximate inherent buoyancy of infant prototype: 54 N

Fabric:	Rivertex 150 PES HD alternative 1
Webbing:	Artefita polypropylene
Buoyancy Materials:	Alcan Airex AG Type: Airex S32.50

Accessories:

Position indicating light, retro-reflective materials, whistle, lifting loop and waist strap with buckles.

Application/Limitation

- The lifejacket is designed for children with weight of 0 to 15 kg.
- Position indicating light and retro-reflective materials shall be wheelmarked.
- The design assessment is based on IMO Res.MSC.48(66) as amended by IMO Res.MSC.207(81) & IMO Res. MSC.218(82).
- Production testing shall be carried out according to IMO Res.MSC.81(70), part 2 as amended.

Type Examination documentation

The following documentation is basis for the DNV approval:

- DNV initial design approval of Regatta Thermo Cruise from 2002.
- Force Technology test report No. m1445-234230 – ITW Nexus Whistle test of 2005-01-21.
- SGS Test report BTX 32395(2)/MD/06 – Sample of Material (colour) test of 2006-04-20.
- Deutsche Gesetzliche Unfallversicherung, test report No. 0710055 – Buoyant Foam Material of 2007-06-27.
- Force Technology test report No. 107-32089 – Acoustic test of 2007-07-05.
- Force Technology test report No. 107-38263.b – Buoyancy Aids of 2008-08-27
- Deutsche Gesetzliche Unfallversicherung, test report No. 0810265-1.1 – Webbing closure of 2008-12-02.
- SINTEF report STF78F11963 – Donning & water performanse test of 2009-06-22.
- Force Technology test report No. 109-28125.b – Temperature Cycling Test of 2009-08-27
- Force Technology test report No. 109-28125. – Buoyancy Test of 2009-08-27
- Force Technology test report No. 109-28125.b – Fire Test of 2009-08-27
- Force Technology test report No. 109-28125.c – Body and Shoulder Strenght Test of 2009-08-27
- Production description Thermo Cruise Baby 2010 dated 2009-08-28.

Tests carried out

Tested in accordance with Revised Recommendation on Testing of Life-Saving Appliances, IMO Res.MSC.81(70), part 1, as amended by IMO Res.MSC.200(80), IMO Res. MSC.226(82) & IMO Res. MSC.323(89).



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Marking of product

The product is to be indelibly marked with name of manufacturer, type designation and date of manufacture. In addition the infant lifejacket shall be marked with the appropriate weight range and an infant symbol in accordance with IMO MSC/Circ. 1244. The marking shall be according to the LSA Code, IMO Res. MSC 48(66), items 1.2.2.9 and 2.2.1.6.

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

- Module D: The quality system for production and testing shall be approved by the Notified Body.
- Module E: The quality system for inspection and testing shall be approved by the Notified Body.
- Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.

