DNV·GL

Certificate No:
MEDB00003C3

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 GL AS under the authority of the Government of Norway.

This is to certify:

That the Upholstered furniture

with type designation(s)
Upholstery fabrics

Issued to
Gudbrandsdalens Uldvarefabrik as
LILLEHAMMER, Norway

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306,**
item No. MED/3.20 and Annex B, Module B in the Directive SOLAS 74 as amended, Regulation II-2/3, II-2/5, II-2/9 & X/3, 2000 HSC Code 7 and IMO 2010 FTP Code

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

This Certificate is valid until **2019-11-03**.

Issued at **Høvik** on **2017-11-10**

DNV GL local station:
Oslo Maritime and CAP

Approval Engineer:
Marius Mørner

Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005.

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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

NORWEGIAN ACCREDITATION PROD 019

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Product description
"Upholstery fabrics"

Fabrics as described in the appendix, used on furniture.

All products are tested on standard non-FR polyurethane foam of density 22 kg/m^3.

Applications/Limitations
Approved for use throughout the accommodation as upholstered furniture.

Approved with standard non-FR polyurethane foam filling material type of density 22 kg/m^3. Same type of foam with higher density may also be used as filling material.

Each product is to be supplied with its manual for installation, use and maintenance.

Type Examination documentation
Test reports: see appendix.

Tests carried out
Tested according to IMO 2010 FTP Code part 8.

Fabric "5533 Arkiv 4" tested according to IMO FTPC Part 9 and in compliance with IMO 2010 FTP Code Ch. 8.

Marking of product
The product or packing is to be marked with name and address of the manufacturer, type designation, the MED Mark of Conformity and USCG approval if applicable (see first page).

Appendix

Product description

Trade name	Composition	Weight	Test Report
9865	91% Wool 9% Polyamide	485 g/m²	27/03296A/09/14
9867	92% Wool 8% Polyamide	570 g/m²	27/03296C/09/14
9868	94% Wool 6% Polyamide	585 g/m²	27/03296D/09/14
9869	95% Wool 5% Polyamide	620 g/m²	27/03296E/09/14
9866	92% Wool 8% Polyamide	600 g/m²	27/03296B/09/14
9870	93% Wool 7% Polyamide	550 g/m²	27/03316R/10/14
9871	95% Wool 5% Polyamide	620 g/m²	27/03296F/09/14
9220 Nordal	82% Wool 18% Polyamide	470 g/m²	27/03296G/10/14
6480 Dypdal	91% Wool 9% Polyamide	535 g/m²	27/03296H/09/14
9419 Shadows	92% Wool 8% Polyamide	390 g/m²	27/03296J/09/14
9494 Funfair	95% Wool 5% Polyamide	400 g/m²	27/03296K/09/14
7261 Gandal	96% Wool 4% Polyamide	385 g/m²	27/03316D/10/14
8300 Handal	75 % Wool 20 % Viscose 5 % Polyamide	395 g/m²	27/03316E/10/14
9351 Heidal	80 % Wool 10 % Viscose 10 % Polyamide	340 g/m²	27/03316F/10/14
9203 Koksdal	93 % Wool 7 % Viscose	415 g/m²	27/03316G/10/14
5515/5516/5517/Modal/ Modal Point/Modal Mouline	70 % Wool 30 % Viscose	535 g/m²	27/03316J/10/14 27/03316K/10/14
5080 Ledal/ 5095 Bardal	70% Wool 30% Viscose	386 g/m²	27/03316H/10/14
5055 Vadal	87 % Wool 5 % Viscose 8 % Polyamide	500 g/m²	27/03316M/10/14

Trade name	Composition	Weight	Test Report
5054 Vadal Uni	92% Wool 8% Polyamide	500 g/m²	27/03316U/10/14
9839 Finndal	96 % Wool 4 % Polyamide	485 g/m²	27/03316N/10/14
9838 Frodal	96 % Wool 4 % Polyamide	485 g/m²	27/03316P/10/14
5042 Amdal	70% Wool 30% Viscose	485 g/m²	27/03316A/10/14
5534 Arkiv 6	77% Wool 23% Viscose	580 g/m²	27/03316C/10/14
5532 Arkiv 3	74 % Wool 22 % Viscose 4 % Polyamide	495 g/m²	27/03316B/10/14
9102 Sommerdal	34% Viscose 33% Wool 23% Polyester 6% Polyamide 4% Linen	500 g/m²	27/03316L/10/14
9409 Soldal	96% Wool 4% Polyamide	485 g/m²	27/03316Q/10/14
5537 Hallingdal	70 % Wool 30 % Viscose	590 g/m²	27/03316S/10/14
9434 Mandal Uni	42 % Wool 55 % Cotton 3 % Polyamide	550 g/m²	27/03316T/10/14
8600 Jostedal	96% Wool 4% Polyamide	390 g/m2	27/03700A/10/15
5080 Ledal / 5095 Bardal	70% Wool 30% Polyamide	385 g/m2	27/03316H/10/14
5217 Hemsedal	90% Wool 10% Polyamide	850 g/m2	27/03403B/01/15
5096 Sirdal	100% Wool	800 g/m2	27/03393A/12/14
5097 Setesdal	100% Wool	780 g/m2	27/03393C/12/14
5098 Suldal	100% Wool	800 g/m2	27/03393B/12/14
8188 Svartdal	73% Wool 4% Polyamide 23% Viscose	600 g/m2	54039-2
8909 Montparnasse Plain	37% Wool 7% Polyamide 56% Cotton	365 g/m2	54039-1
8913 Cheltenham	92% Wool 8% Polyamide	350 g/m2	27/03869D/04/16

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Trade name	Composition	Weight	Test Report
5533 Arkiv 4	74% Wool 26% Viscose	510 g/m2	2702707B/12/12
9419	92% Wool 8% Polyamide	390 g/m2	27/03296J/09/14
8907 York	43% Wool 45% Cotton 7% Viscose 5% Polyamide	375 g/m2	27/03869C/04/16
8908 Montparnasse	37% Wool 55% Cotton 2% Polyester 6% Polyamide	490 g/m2	27/03830C/03/16
8318 Notting Hill	75% Wool 20% Viscose 5% Polyamide	490 g/m2	27/03830B/03/16
8317 Oxford	75% Wool 20% Viscose 5% Polyamide	490 g/m2	27/03830A/03/16
8910 Nairobi Maxi	96% Wool 4% Polyamide	710 g/m2	53387-1-2
8911 Nairobi Mini	96% Wool 4% Polyamide	710 g/m2	53387-2-2

All products have been tesed at BTTG Fire Technology Services, Leeds, UK.