

EU-Type Examination Certificate

- [2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU
- [3] EU-Type Examination Certificate Number: Presafe 17 ATEX 11647X Issue 0
- [4] Product: Pocket explosion-proof flashlight
- [5] Manufacturer: Ming Wah (Singapore) Agency Pte Ltd
- [6] Address: 78 Shenton Way, #04-02 Singapore 079120
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV GL Nemko Presafe AS, notified body number 2460, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in confidential reports listed in section 16.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 60079-0:2012/A11:2013, EN 60079-11:2012, and EN 60079-28:2015.
- [10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- [11] This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- [12] The marking of the product shall include the following:

 II 2 G Ex ib op is IIC T4 Gb


Asle Kaastad
For DNV GL Nemko Presafe AS
The Certificate has been digitally signed.
See www.presafe.com/digital_signatures for more info



Date of issue: 2017-12-01

This certificate may only be reproduced in its entirety and without any change, schedule included.

[13]

Schedule

[14] EU-TYPE EXAMINATION CERTIFICATE No.: Presafe 17 ATEX 11647X Issue 0

[15] Description of Product

DSFB.Ex-6102 pocket explosion-proof flashlight is the compact and reliable LED torch powered by one lithium cell. It has three working modes: work mode, power saving mode and signal mode. It comprises aluminium enclosure, LED source, lithium cell, several circuit boards.

Type designation

DSFB.Ex-6102

Electrical Data

U_m (for charging): 5.6 V d.c.

Rated voltage of cell: 3.8 V d.c.

Rated capacity of cell: 2600 mAh

Degrees of protection (IP Code)

IP66

Ambient temperature:

-20°C to +55°C

Routine tests

N/A

[16] Report No.: 2017-9541, Rev. 00

Project No.: PRJC-573244-2017-PRC-CHN

[17] Specific Conditions of Use

- Do not charge the product in hazardous location.
- The charger shall be SELV or PELV certified with output voltage of maximum 5.6 V d.c.
- Do not disassemble the product or replace the battery pack in hazardous location.
- Use only replaceable battery pack DSF-D01.

[18] Essential Health and Safety Requirements

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9.

[19] Drawings and documents

As listed in confidential report 2017-9541.

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue	2017-12-01	2017-9541, Rev. 00

END OF CERTIFICATE