

1 **UK-TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1**

3 UK-Type Examination Certificate Number: **BAS21UKEX0436**

4 Product: **HT-4xx, HT-40xZ0 & HT-6xx Head Torches**

5 Manufacturer: **Wolf Safety Lamp Company Limited**

6 Address: **Saxon Road Works, Sheffield, S8 0YA United Kingdom**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), 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 Schedule 1 of the Regulations.

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR22.0146/00**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0: 2018 EN 60079-11: 2012

except in respect of those requirements listed at item 18 of the Schedule.

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 UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations 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:

 See Schedule

SGS Baseefa Customer Reference No. **1112**

Project File No. **21/0492**

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R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number BAS21UKEX0436**

15 **Description of Product**

The Wolf HT-4xx headtorch, HT-40xZ0 headtorch and HT-6xx headtorch (where xx is used to denote different variants) are self-contained primary cell powered headtorches that are moulded in high impact strength plastic and contain a single LED light source.

The HT-4xx and HT-40xZ0 are powered by three LR03 alkaline cells. The HT-6xx is powered by three R6/LR6 alkaline cells. Cell types should not be mixed.

The HT-40x is designed for Group I M2, for Zone 1 Group IIC T4, and for Zone 21 Group IIIB applications and can be marked

⊕ I M2/II 2GD Ex ib I Mb / IIC T4 Gb
Ex ib IIIB T125°C Db

The HT-45x and HT-40xZ0 are designed for Zone 0 Group IIC T4, and Zone 21 Group IIIB applications and can be marked

⊕ II 1G Ex ia IIC T4 Ga
II 2D Ex ib IIIB T125°C Db

The HT-60x is designed for Group I M2, for Zone 1 Group IIC T4/T3, and Zone 21 Group IIIB applications and can be marked

⊕ I M2/II 2GD Ex ib I Mb / IIC T4/T3 Gb
Ex ib IIIB T155°C Db

The HT-65x is designed for Group I M1, for Zone 0 Group IIC T4/T3, and for Zone 21 Group IIIB applications and can be marked

⊕ I M1/II 1G Ex ia I Ma / IIC T4/T3 Ga
II 2D Ex ib IIIB T155°C Db

For the HT-4xx and HT-40xZ0, only LR03 cells of the following types are permitted:- Procell (Grey), Procell Constant, Industrial by Duracell, Duracell Procell, Duracell Plus, Duracell Ultra M3, Energizer Industrial, Energizer Ultra+, Energizer Ultimate, GP Alkaline, GP Super Alkaline, Panasonic Powermax, Panasonic Ultra, Philips Powerlife, Varta High Energy.

For the HT-6xx in Group IIC T4 applications any R6 cells or LR06 cells of the following types may be used:- Procell (Grey), Procell Constant, Industrial by Duracell, Duracell Procell, Duracell Plus, Energizer Industrial, Energizer Ultra+, Energizer EN91, Energizer E91.

For the HT-6xx in Group I, Group IIC T3 or Group IIIB application any R6 or LR06 cells may be used.

16 **Report Number**

GB/BAS/ExTR22.0146/00

17 **Specific Conditions of Use**

None.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
21 (1)	External effects
21 (2)	Aggressive substances, etc.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
HT-740	2 of 3	6	06/07/21	HT-400/450 Head Torch GA
HT-760	2 of 3	4	06/07/21	HT-600/HT-650 Head Torch GA

For all other drawings see Baseefa10ATEX0067 Issue 5.

The above drawings are common to Baseefa10ATEX0067 and IECEx BAS 10.0023.