



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx ITS 17.0056X**

Page 1 of 4

Certificate history:

Status: **Current**

Issue No: 4

[Issue 3 \(2022-01-13\)](#)

[Issue 2 \(2021-09-06\)](#)

[Issue 1 \(2018-06-11\)](#)

[Issue 0 \(2017-10-12\)](#)

Date of Issue: 2023-08-04

Applicant: **Labino AB**
Fabriksvägen 9 B
186 32
Vallentuna
Sweden

Equipment: **MB Hercules Ex**

Optional accessory:

Type of Protection: **Equipment protection by type of protection "e & n"**

Marking: Ex ec nC IIC T4 Gc
-20°C ≤ Tamb ≤ +40°C
IECEx ITS 17.0056X

Approved for issue on behalf of the IECEx
Certification Body:

Mark Newman

Position:

Certificate Officer

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Intertek Testing & Certification Limited
ITS House, Cleeve Road
Leatherhead
Surrey, KT22 7SA
United Kingdom

intertek



IECEx Certificate of Conformity

Certificate No.: **IECEx ITS 17.0056X**

Page 2 of 4

Date of issue: 2023-08-04

Issue No: 4

Manufacturer: **Labino AB**
Fabriksvägen 9 B
186 32
Vallentuna
Sweden

Manufacturing
locations: **Labino AB**
Fabriksvägen 9 B
186 32
Vallentuna
Sweden

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-15:2017](#) Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:5.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/ITS/ExTR15.0052/00](#)
[GB/ITS/ExTR15.0052/03](#)

[GB/ITS/ExTR15.0052/01](#)

[GB/ITS/ExTR15.0052/02](#)

Quality Assessment Report:

[GB/ITS/QAR17.0011/03](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx ITS 17.0056X**

Page 3 of 4

Date of issue: 2023-08-04

Issue No: 4

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Labino AB Hercules Ex is a handheld UV inspection lamp which has been considered non-sparking equipment.

The equipment consists of a single piece aluminium body with 4 UV LEDs behind a glass window. The equipment is powered by two 18650 Lithium batteries which are branded Labino and include a safety circuit below the positive terminal. The equipment is operated by a single push button and has a connector on the rear to attach a external charger.

The charger is designed to only be used within the non-hazardous area.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The glass lens of the equipment must be inspected before use for any damage, if damaged, the equipment cannot be considered to meet the requirements of its certification.



IECEx Certificate of Conformity

Certificate No.: **IECEx ITS 17.0056X**

Page 4 of 4

Date of issue: 2023-08-04

Issue No: 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1:

- Correction to drawings, drawings now include note relating to them being a scheduled drawing.
- Drawing No. X966 contains a correction to R5 value and inclusion of R13 which was omitted in the original.

Issue 2:

- Update to latest versions of IEC 60079-0 & IEC 60079-15.
- Conversion from nA to ec.
- Revision of UV LED type.
- Change in marking label drawing number and inclusion of UKEX marking.

Issue 3

- Add optional components on the PCBs (change to drawings) EX966 and EX922.
- Adding an optional battery.
- change of manufacturing address from Fågelsångsvägen 16, 18642 Vallentuna, Sweden to Fabriksvägen 9B, 186 32 Vallentuna, Sweden.

Issue 4

- Addition of alternative components to the BOM for Schedule Drawing EX966 up issue to Rev E.
- Addition of alternative components to the BOM for Schedule drawing EX922 up issue to Rev D.
- Addition of an alternative battery Type: 18650 battery cell. Branded Labino with Part No. B115, Li-ion cell with nominal values 3.6V, 3500 mAh, and protection circuit over Positive Terminal.
- Drawings EX1091 updated to Rev 6 and EX1095 updated to Rev 2.

Annex:

[IECEx ITS 17.0056X Issue 4 Annex_1.pdf](#)



Annex to IECEx Certificate of Conformity

Certificate No:	IECEx ITS 17.0056X	Issue No. 4
Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
Lamp Body MB Hercules Ex (2 Pages)	EX1081	A	2016-11-23
Battery Lid Assy Hercules Ex	1083	A	2016-11-24
Battery Lid MB Hercules Ex	EX1084	B	2017-06-19
Gasket Battery Lid	X1086	B	2015-06-10
*PCB Charger board BOM	X922	D	Sep.21, 2022
PCB Charger board schematic (5 Pages)	X922	B	Sep.29, 2017
PCB Charger-board positioning	X922	C	Sep.29, 2017
Battery Compartment Assy Hercules Ex	1087	B	22-11-2016
Lamp Front Collar	X917	B	2015-07-08
Heat Sink	X1082	A	2016-11-22
PCB LED board schematics	X859b	5	Sep-26-2017
PCB LED board BOM	X859b	6	26-Apr-2021
PCB LED board placement	X859b	5	Sep-26-2017
*PCB Drive Card Schematic	X966	E	May-12-2023
*PCB Drive Card BOM	X966	E	12-05-2023
PCB Drive board component positioning	X966	D	Sep-26-2017
*Label Drawing Ex Marking (UKEX)	EX1095	2	31-12-2022
*Label Drawing Ex Marking (ATEX)	EX1091	6	10-10-2022
Label Drawing Warning	EX1092	1	25-06-17
Lamp Body Assy MB Hercules Ex	EX1080	A	2017-08-01
Protection Glass	X918	B	2017-08-28
O-Ring	EX928	A	31-12-2022

*Note: An * is included before the title of documents that are new or revised.*