1 # 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: **Baseefa19ATEX0143X**

4 Product: **SOC-E-IS Conventional Optical Smoke Detector**

5 Manufacturer: **Hochiki Europe**

6 Address: **Grosvenor Road, Gillingham Business Park, Gillingham, Kent, ME8 0SA**

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, Notified Body number 1180, 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 Report No. **GB/BAS/ExTR19.0330/00**

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 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 :

Ⓔx II 1G Ex ia IIC T5 Ga (-20°C ≤ Ta ≤ +55°C)

SGS Baseefa Customer Reference No. **3642** Project File No. **19/0288**

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On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number Baseefa19ATEX0143X**

15 Description of Product

The SOC-E-IS Conventional Optical Smoke Detector is designed to detect combustion products in the air within a hazardous area and provides an alarm indication on a locally mounted LED and to equipment located in the non-hazardous area via a suitable interface.

The SOC-E-IS comprises various components, including LEDs and a photodetector, mounted on a printed circuit board (PCB) which is encapsulated and housed within a plastic enclosure. A perforated metal sheet permits access for the combustion products to the photodetector. The smoke detector sub-assembly is mounted on a Base Unit Type YBN-R/4(IS) which incorporates the field terminals. Cable entry to the field terminals is from the base of the enclosure.

This certificate covers the following variants:

SOC-E-IS, all variants

SOC-E-IS (WHT), all variants

Input/output parameters

Both variants

U_i	=	30V	C_i	=	0
I_i	=	100mA	L_i	=	0
P_i	=	750mW			

16 Report Number

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17 Specific Conditions of Use

1. The plastic enclosure may present a potential electrostatic ignition hazard; the equipment must not be rubbed or cleaned with a dry cloth or solvents or installed within a dust laden airflow.

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	Compliance
1.2.7	LVD type requirements	Manufacturer responsibility
1.2.8	Overloading of equipment (protection relays, etc.)	User/Installer responsibility
1.4.1	External effects	User/Installer responsibility
1.4.2	Aggressive substances, etc.	User/Installer responsibility

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
1212330-00	1 – 6	1	05/19	SOC-E-IS GA Drawing
1212330-00	1 & 2	1	15/01/2020	SOC-E-IS GA Parts List
1212330-20	1 & 2	1	15/01/2020	SOC-E-IS(WHT) GA Parts List

Number	Sheet	Issue	Date	Description
2-1-2-320	1 & 2	1	04/19	SOC-E-IS PCB Assembly Drawing
2-1-2-320	1 – 3	1	02/10/2019	SOC-E-IS PCB Parts List
2-2-9-187	1 – 3	1	04/19	SOC-E-IS Drill Drawing
2-3-0-2805	1 & 2	1	12/19	SOC-E-IS Outer Cover Marking
2-3-0-2806	1 of 1	1	11/19	SOC-E-IS Product Label
2-3-0-2807	1 of 1	1	11/19	SOC-E-IS(WHT) Product label
2-3-2-434	1 – 4	1	05/19	SOC-E-IS Outer Cover
2-3-2-435	1 – 4	1	05/19	SOC-E-IS(WHT) Outer Cover

All drawings are common to, and with, IECEx BAS 19.0122X