



## (1) EC-TYPE-EXAMINATION CERTIFICATE (Translation)

(2) Equipment and Protective Systems Intended for Use in  
Potentially Explosive Atmospheres - **Directive 94/9/EC**

(3) EC-type-examination Certificate Number:

**PTB 99 ATEX 2197 X**



(4) Equipment: Electric torch, type Stabex MO  
(5) Manufacturer: CEAG Sicherheitstechnik GmbH  
(6) Address: D-59494 Soest  
Senator-Schwartz-Ring 26

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report PTB Ex 00-28318.

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

**EN 50014:1997**

**EN 50018:1994**

**EN 50019:1994**

**EN 50020:1994**

**EN 50284:1999**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-type-examination Certificate relates only to the design and construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

(12) The marking of the equipment shall include the following:



**II 1 G EEx ib ed IIC T4 or EEx ib ed IIC T6**

Zertifizierungsstelle Explosionsschutz

By order:

Dr.-Ing. U. Johannsmeyer  
Regierungsdirektor



Braunschweig, September 27, 2000

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## SCHEDULE

(13)

(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 99 ATEX 2197 X**

(15) Description of equipment

The electric torch of type Stabex MO has an explosion-proof housing, which comprises a cylindrical metal tube with end cap, a reflector housing, and a union ring with cast-in protective glass. The torch is provided with a special type of closure; the reflector housing accommodates a switch.

Two round cells of type R20 (temperature class T6/T4) / LR 20 (temperature class T4) according to IEC 86 supply the torch with power.

The torch is provided with a lamp 2.5 V / 0.3 A, identification number 2041/520 or PR6, or identification number 2041/820.

(16) Test report PTB Ex 00-28318

(17) Special conditions for safe use

The round cells must not be replaced within the hazardous area; after replacement of the round cells, the torch has to be perfectly closed and protected as required.

Only round cells of type R20 / LR20 in accordance with IEC publication 86, and appropriate lamps that meet the identification number of CEAG Sicherheitstechnik GmbH shall be used.

In situations in which the height of drop may exceed 5 m, the electric torch shall be secured (e.g. attached to a belt worn around the waist) to protect it against impact.

The electric torch may only be taken into the potentially explosive area for inspection purposes; it must not be left in this area.

Should the hard glass covering the light opening or other parts of the torch be damaged (including even minor incipient cracks), the torch shall be removed from the hazardous area without delay and be eliminated.

(18) Essential health and safety requirements

Covered by the above standards.

Zertifizierungsstelle Explosionsschutz

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