

FORCE-Dantest CERT



EC Type-Examination Certificate for Personal Protective Equipment

Number: DK-0200- C.1595

Issued by FORCE-Dantest CERT, Denmark
EC-notified body number 0200

In accordance with the Directorate of National Labour Inspections Regulation No. 1273 of December 18th 1996, which in Denmark implements the Councils directive No. 89/686, No. 93/68, No. 93/95 and No. 96/58, EC Type-Examination Certificate is issued to:

**FORM Kommunikasjon AS
Luramyveien 29, N-4313 Sandness
Postboks 45
N-4064 Stavanger
NORWAY**

For personal protective
equipment:

Respiratory Protective Device

Type:

**Continuous flow compressed air line breathing apparatus with
hood for abrasive blasting operations**

Designated:

Silencer

Classification:

EN 14594 class 4B for abrasive blasting operation

Restriction:

It is not a safety helmet

Manufactured by:

**FORM Kommunikasjon AS with sub-suppliers as stated in the
appendix to the type-examination certificate**

The examined samples are found to fulfil the relevant requirements stated in Appendix II to Regulation No. 1273, and the requirements stated in EN14594 for the above mentioned classification. Head protection (EN397) has not been examined.

The type-examined model and the basis for the type approval are described in the appendix to the type-examination certificate. The manufacturer shall notify FORCE-Dantest CERT of contemplated modifications.

This personal protective equipment is classified as category III, for which an agreement for a control procedure must be established according to the Order.


Bent Larsen
Director


Niels Ovesen
Certification Manager

Date of issue: 2006-12-21

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Appendix to EC Type-Examination Certificate for Personal Protective Equipment

Number: DK-0200-C.1595

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Issued to: **FORM Kommunikasjon AS
Luramyrvеien 29, N-4313 Sandness
Postboks 45
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NORWAY**

For personal protective equipment: **Respiratory Protective Device**

Type: **Continuous flow compressed air line breathing apparatus with hood for abrasive blasting operations**

Designated: **Silencer**

Design:



Silencer during test, side view



Silencer during test, front view



Materials/Designations

Hood, outer material: Uretek 2678, polyurethane on nylon
 Inner head part: Expanded polypropylene

Documentation for fulfilment of relevant requirements stated in the harmonized standard EN 14594:2005

| | | |
|--------------------------------|--|--|
| Test House FORCE Technology | File No. A3-13677, dated 2005-12-23 | Testing/Inspection of: Silencer respiratory protective device for abrasive blasting acc. EN 271 as replaced by EN 14594 |
| FORCE Technology | A6-18639a, dated 2006-09-05 | Materials test of hood material for properties in EN 14594 |
| DMT | 4207.01 A / 00, 15. September 2000 | EN 166, §7.2.2 test of device with same visor. |
| DMT | 4904 A / 03, 21. März 2003 | EN 270 test of equipment with same compressed air supply tube, belt, valve and breathing hose. |
| EXAM | 4904 A / 03 – 5431 /04, 19. Juli 2004 | Supplementing EN 270 testing due to modification of belt. |

Documentation for observance of relevant requirements stated in Appendix II to Regulation No. 1273

Description of quality management system: FV-KVA-P07 03.12.06/28.12.04
 Declaration of innocuousness: Included as §6 in technical file December 13 2006
 Information supplied by the manufacturer: December 13 2006 with corrections agreed.
 EC Type examination certificate 23199S01, FIOH, NB 0403, Peltor Earmuffs H540P3, 10 September 2003 for use with many helmet brands.

Conclusion

After examination of the personal protective equipment Silencer, continuous flow compressed air line breathing apparatus with hood for abrasive blasting operations, and the documentation above it can be concluded that Silencer fulfils relevant requirements of the Directorate of National Labour Inspections Regulation No. 1273 of December 18th 1996 as well as the requirements of class 4B in EN 14594:2005. No head protection properties have been documented.

The instructions for use have evaluated in relation to EN 14594 and Danish regulations only.

Date: 2006-12-20

FORCE-Dantest CERT

A6-18639


 Erik Bjarnov
 Examiner

FORM Kommunikasjon AS
v/ Tom Hanssen
Postbox 45
4064 Stavanger
NORGE

Brøndby 2006.09.05
Order no. A6-18639a
Prep. By NJS/EKB/mvb
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Test Report

Object: Material tests of orange, coated textile in Silencer hood for abrasive blasting to show compliance to EN14594 §6.16.2.4:
EN ISO 13935-2 Seam strength
EN ISO 4674-1 Tear resistance
EN ISO 7854 B Flexcracking resistance

Sample description: Samples were cut from a Silencer hood submitted previously for other testing.

Methods: Test according to EN ISO 13935-2:1999, EN ISO 4674-1:2003 method A, EN ISO 7854:1997 method B.

Test period: 2006.08.03 – 2006.08.29

Results:

The directions of the longitudinal and transverse threads were not defined. Samples were cut 90° to each other along the weaving directions

| Test | Individual results, N | Average, N | EN14594 requirement |
|-------------------------------|-------------------------|------------|---------------------|
| Seam Strength | | | |
| One-stitch seams (side seam): | 423, 569, 483, 439, 369 | 460 | ≥ 30 |
| Tear resistance | | | |
| Up-down | 84, 87, 116, 68, 54 | 82 | ≥ 20 |
| Left-right | 81, 88, 82, 82, 90 | 85 | ≥ 20 |

Flexcracking

The six test pieces three from each direction were flexed 5500 times at room temperature. After the test there was no visible damage to the material. EN14594 requirement: no visible damage after 5000 cycles.

Conclusion

The material in the Silencer hood fulfilled the requirements of EN14594 §6.16.2.4 for a class B device.

FORCE Technology

Inspection and Testing/Chemical Analysis



Niels Jørgen Sibbersen
Project manager, M.Sc.



Erik Bjarnov
Specialist, Ph.D.

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