



Finnish Institute of
Occupational Health

FIOH
notified by the Ministry of Social Affairs and Health and identified under
0403 grants

EC TYPE EXAMINATION CERTIFICATE

12329UNS01rev1

for ear muff type hearing protectors as defined in EN 352-3:2002

Peltor Optime I, H510P3*
Peltor Optime II, H520P3*
Peltor Optime III, H540P3*
Peltor H31P3*
3M Svenska AB
Värnamo
Sweden

These products comply with Directive 89/686/EEC, as amended

Helsinki, 9 November 2017
Expiry date: 8 November 2022

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This certificate comprises 3 pages and two appendices.
This certificate replaces certificate 12329UNS01, 2012-11-09

Finnish Institute of Occupational Health, Notified Body No. 0403,
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1. Applicant

3M Svenska AB
Malmstengatan 19
S-33102 Värnamo
Sweden

2. Description and identification of the products

Type: Hearing protectors attached to industrial safety helmets, Peltor G22 helmet as the basic set and supplementary combinations as listed in Table in Appendix 2.

Name: Peltor Optime I, H510P3*
Peltor Optime II, H520P3*
Peltor Optime III, H540P3*
Peltor H31P3*
The stars in the name stand for different wedge-models in the helmets

Manufacturer: 3M Svenska AB

Picture of the products:



Optime I (H510P3), Optime II (H520P3), Optime III (H540P3) and H31P3*

3. Adequacy and validity of the technical documentation

The documentation supplied by the applicant is listed in Appendix 1. The technical documentation is considered adequate and valid. The products have been tested in accordance with harmonized European standard EN 352-3:2002 by accredited testing methods. The models of the products supplied by the applicant conform to the technical documentation.



4. Compliance with basic health and safety requirements

The products and the technical documentation relating to them comply with the relevant basic health and safety requirements stated in Directive 89/686/EEC Annex II as amended, last amended by 96/58/EC (in Finland VNp 1406/93 Liite 1).

Note: Any modification in design, materials, or in the technical documentation, carried out on this type-examined product must be brought to the attention of FIOH.

Appendix 1. Documentation

Appendix 2. List of possible helmet combinations

End of EC type examination certificate.



Technical and other documentation regarding EC type examination certificate

Product name: Peltor Optime I (H510P3*), Peltor Optime II (H520P3*), Peltor Optime III (H540P3*) and Peltor H31P3* with industrial safety helmets

Applicant: 3M Svenska AB

| <i>Item of documentation</i> | <i>Document identification</i> | <i>Remarks</i> |
|---|---|--|
| 1. Application for the EC type examination | 2012-11-08, Nermin Jusufovic 2013-08-21, Nermin Jusufovic 2015-10-29, Nermin Jusufovic 2017-10-04, Nermin Jusufovic | Adequate |
| 2. Product drawing, construction, and material list | Material assembly: P090111, rev.a 2009-04-09 P080302, rev.a, 2008-06-11 P080305, rev.a, 2008-06-11 P950220 rev.a, 2008-10-07 Assembly drawings: P950218, rev.a, 2017-05-19 P010309, rev.b, 2017-05-19 P010307, rev.b, 2017-05-19 P010306, rev.b, 2017-05-19 Product description: H31P3E300, 2017-05-19 H510P3E-405-GU, 2017-05-19 H520P3E-410-GQ, 2017-05-19 H540P3E-413-SV, 2017-05-19 | The products and materials are identified |
| 3. Compliance with Directive 89/686/EEC relevant basic requirements | The compliance assessment is based on reports mentioned below items 3.1-3.4 | |
| 3.1 FIOH assessment of relevant Directive basic requirements | 2012-11-09 2013-10-29 2016-02-12 2017-11-09 | The applied harmonised standard EN 352-3:2002 supports the relevant requirements |
| 3.2 FIOH test reports | 95081S03, 2001-03-26 95086T01, 1995-06-15 95484T01, 1995-09-20 98266T01, 1998-10-03 20084T01, 2000-03-21 21046T01, 2001-03-13 22004T01, 2002-04-12 21361T01, 2002-04-12 21331T01, 2002-04-12 23199T01, 2003-09-10 26099T01, 2006-09-07 26100T01, 2006-09-07 26101T01, 2006-09-07 26102T01, 2006-09-07 26103T01, 2006-09-07 | The product fulfils the requirements of EN 352-3:2002 |



| <i>Item of documentation</i> | <i>Document identification</i> | <i>Remarks</i> |
|---|--|-----------------------------------|
| | 26104T01, 2006-09-07 26105T01, 2006-09-07 26106T01, 2006-09-07 26276T01, 2007-08-29 26276T02, 2007-07-27 29201T01, 2009-06-17 29453T01, 2009-11-02 29563T01, 2010-01-14 10193T01, 2010-04-29 205388T01, 2012-10-22 205388T02, 2012-10-22 205388T03, 2012-10-22 205388T04, 2012-10-22 233268T01, 2013-10-03 315672T01, 2015-10-01 | |
| 3.3 Draft information sheet | Generic Optime Range UIs 2017-11-08 Pkg Spec No.: XA-0077-7335-2_Iss4 for H510P3 XA-0077-7341-0_Iss3 for H520P3 XA-0077-7361-8_Iss3 for H540P3 XA-0077-7411-1_Iss3 for H31P3 Primary labels: XH-0016-5046-0 XH-0016-5058-5 XH-0016-5070-0 XH-0016-5085-8 | Adequate |
| 3.4 Product markings | P950224, rev.c, 2010-05-31 P010466, rev.e, 2015-06-17 P010464, rev.e, 2015-06-17 P010461, rev.e, 2015-06-17 | Adequate |
| 4. Description of the production quality system and related product control and test facilities | Quality specification for Optime I, Optime II, Optime III and other type of muffs product (A-band, B-band, F, P3) 2017-03-29 | Adequate for category II products |

End of documentation list.



Table 1. List of possible helmet combinations (S=small size, M=medium size, L=large size)

| Helmet manufacturer | Helmet model | Wedge | H31 | H510 | H520 | H540 |
|--------------------------|---------------------------------------|-------|-----|------|------|------|
| 3M | Airstream AH1, AH4 | AE | ML | ML | ML | L |
| 3M | Airstream AH7 | AE | ML | ML | ML | L |
| 3M | Airstream HT-701, HT-702, HT-705 | AE | ML | ML | ML | L |
| 3M | Airstream HT-707 | AE | ML | ML | ML | L |
| 3M | G500 Headgear | E | SML | SML | SML | SML |
| 3M | Versaflo M-106, M-107 | AF | ML | ML | ML | ML |
| 3M | Versaflo M-306, M-307 | AF | ML | ML | ML | ML |
| 3M | 3M™ Speedglas™ Welding Helmet 9100 MP | AF | ML | ML | ML | ML |
| 3M | G2000 | K | SML | SML | SML | SML |
| 3M | G22 (BASIC SET) | E | SML | SML | SML | SML |
| 3M | G3000 | E | SML | SML | SML | SML |
| 3M | G3501 | E | SML | SML | SML | SML |
| 3M | H-700 | E | SML | ML | SML | L |
| Auboueix | Brennus | F | SML | SML | SML | SML |
| Auboueix | Fondelec | F | SML | SML | SML | SML |
| Auboueix | Iris | E | ML | ML | ML | ML |
| Auboueix | Iris 2 | E | ML | ML | ML | ML |
| Auboueix / Seybol | KARA | E | SML | SML | SML | ML |
| Centurion | 1100/ARCO type 2 | H | SML | SML | SML | ML |
| Centurion | 1125/ARCO plus | H | SML | SML | SML | SML |
| Centurion | 1540/ARCO | A | ML | ML | ML | ML |
| Centurion | Concept | E | SML | SML | SML | SML |
| Grolls | Balance | E | ML | ML | ML | ML |
| Grolls | Balance AC | E | ML | ML | ML | ML |
| Grolls | Balance HD | M | SML | SML | SML | SML |
| Grolls | Robust | E | SML | SML | SML | SML |
| JSP | EVOLITE | E | L | ML | ML | L |
| JSP | MK6R/MK7R | E | L | SML | SML | L |
| JSP | MK8 | E | L | L | ML | L |
| Kemira | Top Cap | A | SML | SML | SML | SML |
| LAS | LP2002 | E | SML | SML | SML | SML |
| LAS | LP2006 | E | SML | SML | SML | SML |
| MSA | Super V-Gard II | E | SML | SML | SML | SML |
| MSA | V-Gard | E | SML | SML | SML | SML |
| Petzl | Vertex | E | SML | SML | SML | SML |
| Protector / Scott | Style 300 | E | SML | SML | SML | SML |
| Protector / Scott | Style 600 | E | SML | SML | SML | SML |
| Protector / Scott | Tuffmaster II | E, G | ML | ML | ML | ML |
| Römer | Bravo 2 Nomaz | B | SML | SML | SML | SML |



| Helmet manufacturer | Helmet model | Wedge | H31 | H510 | H520 | H540 |
|----------------------------|--------------------------|--------------|------------|-------------|-------------|-------------|
| Römer | Marcus Top 2 Atlas Nomaz | B | SML | SML | SML | SML |
| Römer | N2 Atlas Nomaz | BB | SML | SML | SML | SML |
| Römer | Profi Expo | E | SML | SML | SML | SML |
| Römer | Profi Momaz | E | SML | SML | SML | SML |
| Römer | Top Expo Atlas | B | SML | SML | SML | SML |
| Schuberth | BEN | BB | SML | SML | SML | SML |
| Schuberth | BER S | E | SML | SML | SML | SML |
| Schuberth | BER80/WPC80 | EA | SML | SML | SML | SML |
| Schuberth | BOP R | B | SML | SML | SML | SML |
| Schuberth | PIOMIER | B | SML | SML | SML | SML |
| Schuberth | SH 91/WPL 91 | EB | SML | SML | SML | SML |
| Schuberth | SW1 | EB | ML | ML | ML | ML |
| Sofop Taliaplast | Oceanic | E | ML | ML | ML | ML |
| Sofop Taliaplast | Opus | E | ML | ML | ML | ML |
| UVEX | Airwing | E | SML | SML | SML | SML |
| Voss | Inap 88 | E | SML | SML | SML | SML |
| Voss | Inap Master | E | ML | ML | ML | ML |
| Voss | Inap PCG | G | ML | ML | ML | ML |
| Voss | Inap Star | E | ML | ML | ML | ML |