



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



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