



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,
Topeliuksenkatu 41 b, FI-00250 Helsinki, Finland



1. Applicant

3M Svenska AB
Malmstensgatan 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 2019-04-24, 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 2019-09-30	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	The product fulfils the requirements of EN 352-3:2002



Item of documentation	Document identification	Remarks
	26103T01, 2006-09-07 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	
3M test reports	AL-VMO_TR-2018-009, 2018-12-06	Peltor Optime I (H510P3*), and Peltor H31P3* fulfil the requirements of EN 352-3:2002 with helmet 3M Speedglass 9100MP-Lite (M-200) for small, medium and large size ranges. Peltor Optime II (H520P3*), and Peltor Optime III (H540P3*) fulfil the requirements of EN 352-3:2002 with helmet 3M Speedglass 9100MP-Lite (M-200) for medium and large size ranges.
	AL-VMO-TR-2018-003 H510P3E H520P3E H540P3E H31P3E SecureFit X5500, 2018-06-20	Peltor Optime I (H510P3*), Peltor Optime II (H520P3*) and Peltor H31P3* fulfil the requirements of EN 352-3:2002 with helmet X5500 vented/non-vented for small, medium and large size ranges. Peltor Optime III (H540P3*) fulfils the requirements of EN 352-3:2002 with helmet X5500 vented/non-vented for medium and large size ranges.
3.3 Draft information sheet	DV-2563-0552-0_Iss1 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	Adequate



<i>Item of documentation</i>	<i>Document identification</i>	<i>Remarks</i>
	XH-0016-5070-0 XH-0016-5085-8	
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	SecureFit Safety Helmet X5000	E	SML	SML	SML	ML
3M	SecureFit Safety Helmet X5500	E	SML	SML	SML	ML
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-206, M-207	AF	ML	ML	L	L
3M	Speedglas™ 9100 MP-LITE	AF	ML	ML	L	L
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
Kemra	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



Helmet manufacturer	Helmet model	Wedge	H31	H510	H520	H540
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
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