



Finnish Institute of
Occupational Health

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

EC TYPE EXAMINATION CERTIFICATE

14102PES01

for ear muff type hearing protectors as defined in EN 352-1:2002
Peltor Optime I (H510A, H510AK, H510B, H510F)
3M Svenska AB
Värnamo
Sweden

This product complies with Directive 89/686/EEC, as amended

Helsinki, 9 May 2014
Expiry date: 8 May 2019

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This certificate comprises 2 pages and two appendices.



1. Applicant

3M Svenska AB
Malmstengatan 19
S-33102 Värnamo
Sweden

2. Description and identification of the product

Type:	Ear muff type hearing protector as defined in EN 352-1:2002
Name:	Peltor Optime I (H510A, H510AK, H510B, H510F)
Description:	H510A-***-** Ear muff with over-the-head headband (A) H510AK-***-** Ear muff for kids with over-the-head headband (AK) H510B-***-** Ear muff with behind-the-head headband (B) H510F-***-** Ear muff with foldable over-the-head headband (F) * Extensions to the article number relate to different print and/or colour of the product.
Size range:	H510A-***-** Meets small, medium and large size ranges H510AK-***-** Meets small size range H510B-***-** Meets small, medium and large size ranges H510F-***-** Meets large size range
Models:	H510A-401-GU H510A-402-GU H510A-402-OR H510AK-442-GB H510AK-442-RE H510F-404-GU H510B-403-GU H510B-471-GB
Manufacturer:	3M Svenska AB

Pictures of the products are in Appendix 2

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 352-1:1993 by accredited testing methods and assessed against the requirements of the harmonized European standard EN 352-1:2002. The models of the product supplied by the applicant conform to the technical documentation.



4. Compliance with basic health and safety requirements

The product and the technical documentation relating to it 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. Technical documentation

End of EC type certificate 14102PES01.



Technical and other documentation regarding EC type examination certificate

Product name: Peltor Optime I (H510A, H510AK, H510B, H510F)

Applicant: 3M Svenska AB

Item of documentation	Document identification	Remarks
1. Application for the EC type examination	Nermin Jusufovic, 2014-03-24	
2. Product drawing, construction, and material list	Material list: BOM_H510A-401-GU rev.a.00, 2014-03-17 BOM_H510B-403-GU rev.a.00, 2014-03-17 BOM_H510F-404-GU rev.a.00, 2014-03-17 BOM_H510AK-442-RE rev.a.00, 2014-03-17 Material assembly: P010415 rev.b, 2008-10-07 P010425 rev.a, 2002-02-07 P010434 rev.a, 2002-02-07 P060187 rev.a, 2006-05-08 Assembly drawing: P010294 rev.a, 2002-05-14 P010298 rev.a, 2002-05-14 P010303 rev.a, 2002-05-14 P010294 rev.a, 2002-05-14	The product 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	2014-05-09	The applied harmonised standard EN 352-1:2002 supports the relevant requirements
3.2 INSPEC test reports	01.12.30, 2001-12-19 for H510A earmuff	The product H510A fulfils the requirements of EN 352-1:1993 for small, medium and large size ranges
	01.12.31A, 2002-01-04 for H510B earmuff	The product H510B fulfils the requirements of EN 352-1:1993
	01.12.32, 2001-12-19 for H510F earmuff	The product H510F fulfils the requirements of EN 352-1:1993 for large size range
	03.08.41, 2003-08-29 for H510AK "Kids" and H510A "Adult" earmuffs	The product H510AK "Kids" fulfils the requirements of EN 352-1:2002 for small size range
3.3. FIOH report	29093A01, 2009-05-06 Comparison of old and revised EN 352 standards	The products fulfil the requirements of EN 352-1:2002



<i>Item of documentation</i>	<i>Document identification</i>	<i>Remarks</i>
3.4 Draft information sheet	Generic English Master Text, 2014-03-21 3M1502_Optime H510F Primary Carton Update_V2, 2014-04-09 Box layout H510A P100759 rev.a Box layout H510B P100760 rev.a Box layout H510AK FP3FB4267 rev.a	Generic English Master Text together with 3M1502_Optime H510F Primary Carton fulfil the requirements of the Directive and EN 352-1:2002. Box layouts for H510A, H510B and H510F will be updated accordingly
3.5 Product markings	P010446 rev.d, 2014-02-05 P010459 rev.d, 2014-02-05 P010460 rev.d, 2014-02-05 P030015 rev.c, 2010-06-07 Innerlabel_H510A-401-GU Innerlabel_H510B-403-GU Innerlabel_H510F-404-GU Label for H510AK P110421 rev.b, 2014-03-19	Fulfils the requirement Reference to EN 352-1:1993 on labels will be corrected to EN 352-1:2002
4. Description of the production quality system and related product control and test facilities	P951362 rev.a appendix to application	Adequate for category II products

End of documentation list



Pictures of the products



Peltor Optime I H510A-401-GU



Peltor Optime I H510F-404-GU



Peltor Optime I H510B-403-GU



Peltor Optime I H510AK-442-RE