



### **EC TYPE-EXAMINATION CERTIFICATE: 0166**

Product description: -

Hearing Protectors - Ear plugs

Product identification: -

See schedule

Manufacturer: -

3M United Kingdom PLC

3M Centre Bracknell Berkshire RG12 8HT United Kingdom

When assessed and examined against harmonised standard EN352-2:1993 and EN352-2:2002 is found to be in conformity with Council Directive 89/686/EEC relating to personal protective equipment

Signed

..... Date:

21st September 2012

certificate invalid

if not embossed

KJ Warren, Manager, Certification Services

For and on behalf of INSPEC International Ltd. 56 Leslie Hough Way, Salford, Gt Manchester M6 6AJ

England (Notified Body No: 0194)

Certification remains valid until 21st September 2017, providing compliance with INSPEC's terms and conditions is maintained.

Original date of issue: 14th June 2004

For terms and conditions of issue, see page 2

EC Certificate: 0166 Page 1 of 4 Revision: 120921

### **Terms and Conditions**

#### Reference Documents: -

i) Test Reports - INSPEC 92.10.27, 92.10.34

ii) Technical File - TF0166

iii) Test and Inspection Plan - QAP.SEMI-AURAL

#### Conditions attached to the issue of this certificate:

- i) Marking and instructions have been assessed in the English language only. It is the Manufacturers/Authorised Representatives responsibility to obtain and supply language versions acceptable to the country where the product is to be sold.
- ii) Any changes to the product, technical file or quality manual/quality plan shall be immediately notified to INSPEC.
- iii) The Manufacturer/Authorised Representative shall comply at all times with INSPEC's Regulations governing CE Product Certification.
- iv) This Certificate remains the property of INSPEC and may be withdrawn if any of the conditions attached to its issue are not complied with.
- v) This certificate may be copied or reproduced by the certificate holder, complete and without omissions or additions, and in accordance with INSPEC's terms of business.
- vi) This certificate has been provided in accordance with our standard Terms of Business, which can be viewed at, and printed from:

http://inspec-international.com/ToB.pdf

If you have difficulty accessing the Terms of Business, you may contact us for a copy.

# **CERTIFICATION INDEX**

Item	Status	Issued	Amendment
Schedule ONE	Withdrawn	14/06/04	1 <sup>st</sup> issued
Page 1 of 2 Amendment TWO	Withdrawn	14/06/04	EarBand added
Page 2 of 2 Amendment TWO	Withdrawn	14/06/04	Report INSPEC 03.12.74
Pages 1 - 4	Withdrawn	100803	Change of certificate format and address
Pages 1 - 4	Valid	120921	Editorial change to standard reference and certificate format re: 5year validity and Terms of business

## **CERTIFICATION SCHEDULE**

Description:

EarCap B-T-H mode

Size Range:

NA

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	20.1	19.3	17.6	17.7	21.4	30.7	36.7	38.1
Standard Deviation (dB)	4.4	3.4	4.5	5.5	4.1	4.0	3.7	6.1
Assumed Protection							0	0.1
(dB)	15.7	15.9	13.1	12.2	17.3	26.8	33.0	32.0
	H = 25;	M = 17;	L = 15	S	NR = 23			02.0

Description:

EarCap U-T-H mode

Size Range:

NA

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	21.0	20.2	19.8	19.1	23.2	33.4	41.0	40.7
Standard Deviation (dB)	4.1	4.4	4.2	4.3	3.7	4.5	2.9	5.4
Assumed Protection (dB)	16.9	15.8	15.5	14.8	19.5	29.0	38.1	35.2

H = 27; M = 19; L = 17 SNR = 23

Description:

EarBand B-T-H mode

Size Range:

NA

	125	250	500	1000	2000	4000	8000
20.5	19.4	16.0	16.5	20.9	31.4	35.3	36.0
4.2	5.4	4.1	4.2	2.5	4.3		4.0
16.3	14.0	11.9	12.3	18.4	27.1	31.7	32.0
	4.2	4.2 5.4 16.3 14.0	4.2 5.4 4.1   16.3 14.0 11.9	4.2 5.4 4.1 4.2   16.3 14.0 11.9 12.3	4.2 5.4 4.1 4.2 2.5   16.3 14.0 11.9 12.3 18.4	4.2 5.4 4.1 4.2 2.5 4.3   16.3 14.0 11.9 12.3 18.4 27.1	4.2 5.4 4.1 4.2 2.5 4.3 3.6   16.3 14.0 11.9 12.3 18.4 27.1 31.7

H = 25; M = 17; L = 14 SNR = 21

EarCap is certified against EN 352-2:1993

EarBand is certified against EN 352-2:2002

In addition to the products referenced on this certificate, the standard industrial product may also be sold as market specific packaged variants.

Such variants will be differentiated and the Technical File will be updated with the appropriate information.