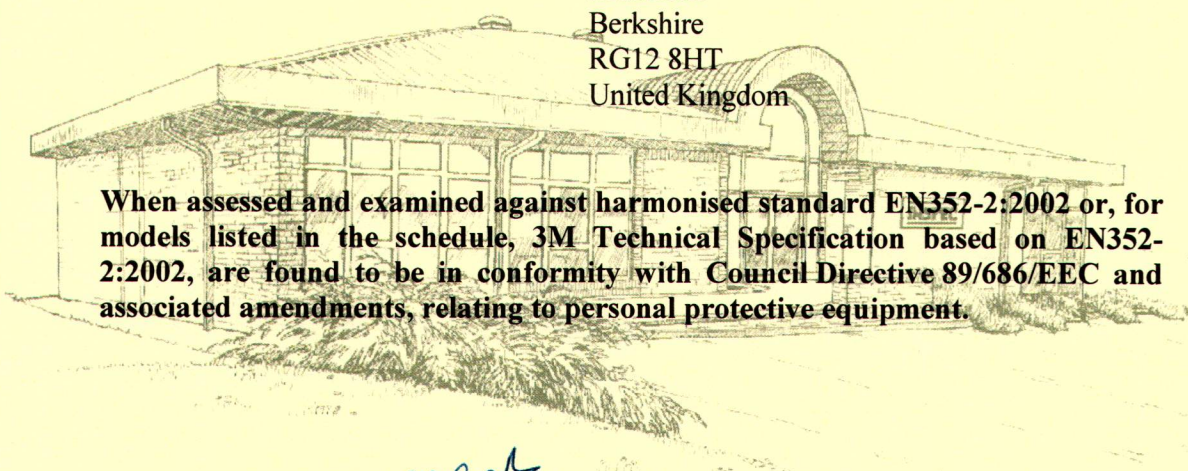


EC TYPE-EXAMINATION CERTIFICATE: 2626

Product description: - Hearing Protector - Ear-plug

Product identification: - See schedule

Manufacturer: - 3M United Kingdom plc
3M Centre
Bracknell
Berkshire
RG12 8HT
United Kingdom



When assessed and examined against harmonised standard EN352-2:2002 or, for models listed in the schedule, 3M Technical Specification based on EN352-2:2002, are found to be in conformity with Council Directive 89/686/EEC and associated amendments, relating to personal protective equipment.

Signed 

Date: 26th June 2014

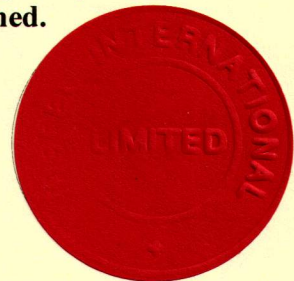
K J Warren, Manager, Certification Services

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 26th June 2019, providing compliance with INSPEC's terms and conditions is maintained.

Original date of issue: 26th June 2014



For terms and conditions of issue, see page 2

Terms and Conditions

Reference Documents: -

- | | | | |
|------|--------------------------|---|--|
| i) | Test Reports | - | 1.13.12.07, 1.13.11.45, 1.14.02.17,
1.14.02.41, 1.14.02.42. |
| ii) | Technical File | - | TF/2626, 3M TF0379, 3M TF0387,
3M TF0388 refers |
| iii) | Test and Inspection Plan | - | 3M TF0379, 3M TF0387, 3M TF0388
refers. |

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- iv) This Certificate remains the property of INSPEC and may be withdrawn if any of the conditions attached to its issue are not complied with.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
Pages 1 – 5	Valid	140626	Initial issue

CERTIFICATION SCHEDULE

The 3M E-A-R ClearEAR 20 has been assessed to EN352-2:2002.

Description: 3M E-A-R ClearEAR 20

Size Range: 6 – 12

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	8.8	11.7	14.4	18.0	20.9	26.4	31.3	36.4
Standard Deviation (dB)	3.9	3.9	2.9	4.2	3.4	3.9	5.8	5.0
Assumed Protection (dB)	4.9	7.8	11.5	13.8	17.5	22.5	25.5	31.4

H = 23 ; M = 17 ; L = 13 ; SNR = 20

The 3M E-A-R Ultrafit 14, 3M E-A-R EARFlex 14, 3M E-A-R Ultrafit 20 and 3M E-A-R Tracer 20 have been assessed to the 3M Technical Specification based on EN352-2:2002 and referenced in the Technical Files identified on page 2 of this certificate.

Description: 3M E-A-R Ultrafit 14

Size Range: 7 - 12

Minimum attenuation for information only.

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	4.2	4.5	5.9	9.0	15.4	23.4	30.0	29.9
Standard Deviation (dB)	2.4	2.6	2.0	2.7	3.0	3.0	3.6	2.7
Assumed Protection (dB)	1.8	1.9	3.9	6.3	12.4	20.4	26.4	27.2

H = 19; M = 11 ; L = 6 SNR = 14

Description: 3M E-A-R EARFlex 14

Size Range: 7 - 12

Behind-the-head wearing mode.

Minimum attenuation for information only.

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	5.8	6.1	6.8	10.7	16.5	21.8	27.6	26.8
Standard Deviation (dB)	3.7	5.2	3.5	4.7	2.6	3.9	4.5	4.3
Assumed Protection (dB)	2.1	0.9	3.3	6.0	13.9	17.9	23.1	22.5

H = 19 : M = 11 ; L = 6 SNR = 14

Description: 3M E-A-R Ultrafit 20

Size Range: 6 – 12

Minimum attenuation for information only.

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	7.4	9.1	12.9	19.4	22.8	27.6	32.6	36.8
Standard Deviation (dB)	4.0	6.0	4.5	5.0	3.7	2.9	3.6	3.9
Assumed Protection (dB)	3.4	3.1	8.4	14.4	19.1	24.7	29.0	32.9

H = 25 ; M = 17 ; L = 10 ; SNR = 20

Description: 3M E-A-R Tracer 20

Size Range: 6 – 12

Minimum attenuation for information only.

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	8.6	8.5	13.4	20.6	24.9	25.5	33.8	36.4
Standard Deviation (dB)	4.6	6.1	5.6	2.1	3.6	4.4	8.1	3.7
Assumed Protection (dB)	4.0	2.4	7.8	18.5	21.3	21.1	25.7	32.7

H = 24 ; M = 18 ; L = 10 SNR = 20

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.

