

EC TYPE-EXAMINATION CERTIFICATE: 0131

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
is found to be in conformity with Council Directive 89/686/EEC relating to
personal protective equipment

Signed

Date: 30th November 1999

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)

certificate invalid
if not embossed

For terms and conditions of issue, see page 2

Terms and Conditions

Reference Documents: -

- | | | | |
|------|--------------------------|---|---|
| i) | Test Reports | - | INSPEC
(i) 92.10.22, 92.10.29, 93.05.96, 93.05.97
(ii) 96.12.42, 97.04.32, 97.04.53
(iii) 96.12.43, 97.04.33, 97.04.54
(iv) 00.06.34, 01.01.20
(v) 00.06.33, 01.01.21
(vi) 92.10.25, 92.10.32
(vii) 03.11.34 |
| ii) | Technical File | - | TF131 |
| iii) | Test and Inspection Plan | - | QAP.ROLL DOWN |

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- iv) This Certificate remains the property of INSPEC and may be withdrawn if any of the conditions attached to its issue are not complied with.

CERTIFICATION INDEX

Item	Status	Issued	Amendment
Schedule ONE	Withdrawn		
Schedule TWO	Withdrawn		
Page 1, Amendment: SEVEN	Withdrawn	17/05/04	Addition of Classic Soft corded
Page 2, Amendment: FOUR	Withdrawn	17/05/04	Addition of 03.11.44
Schedule THREE	Withdrawn	17/05/04	Addition of Classic Soft corded
Pages 1 - 5	Valid	100803	Change of certificate format and address

CERTIFICATION SCHEDULE

Description: Classic, Classic II (beige) (a.k.a. "Superfit") **Size Range:** 5 - 13

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	22.3	23.3	24.6	26.9	27.4	34.1	41.6	40.4
Standard Deviation (dB)	5.4	5.3	3.6	5.4	4.8	3.1	3.5	6.4
Assumed Protection (dB)	16.9	18.1	20.9	21.5	22.6	30.9	38.1	34.0

H = 30; M = 24; L = 22 SNR = 28

Description: Classic Plus (a.k.a. "Grande") **Size Range:** 5 - 13

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	28.8	30.8	32.4	34.1	34.3	37.6	46.0	43.9
Standard Deviation (dB)	6.3	4.6	4.2	5.4	4.5	3.4	2.1	4.6
Assumed Protection (dB)	22.5	26.1	28.2	28.6	29.8	34.2	43.9	39.3

H = 35; M = 31; L = 29 SNR = 34

Description: Classic Small (a.k.a. "Amigo") **Size Range:** 5 - 11

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	21.3	25.8	27.6	30.8	31.1	35.6	41.9	42.9
Standard Deviation (dB)	10.4	7.9	8.8	8.6	6.7	4.2	4.9	6.2
Assumed Protection (dB)	10.9	17.9	18.8	22.2	24.4	31.4	37.0	36.8

H = 31; M = 25; L = 21 SNR = 28

Description: Superfit 36 (a.k.a. "Tiger") **Size Range:** 5 - 13

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	29.1	32.4	36.0	38.0	38.9	39.1	43.1	44.6
Standard Deviation (dB)	6.2	7.3	7.3	6.8	6.7	3.1	6.1	6.3
Assumed Protection (dB)	22.8	25.0	28.7	31.2	32.2	35.9	37.0	38.4

H = 36; M = 33; L = 30 SNR = 36

Description: Superfit 33 (a.k.a. "Platinum") **Size Range:** 5 - 12

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	24.9	27.5	31.2	33.9	34.5	37.5	43.3	45.0
Standard Deviation (dB)	7.2	6.9	6.9	7.0	6.0	3.3	3.3	4.8
Assumed Protection (dB)	17.7	20.6	24.3	27.0	28.5	34.2	40.1	40.2

H = 35; M = 29; L = 26 SNR = 33

Description: Cabocord

Size Range: 5 - 13

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	21.7	23.7	26.1	30.4	30.1	33.8	42.6	42.1
Standard Deviation (dB)	6.3	5.6	5.2	5.7	5.3	4.6	4.0	5.7
Assumed Protection (dB)	15.4	18.0	20.9	24.6	24.9	29.2	38.6	36.4

H = 30; M = 26; L = 23

SNR = 29

Description: Classic Soft, corded

Size Range: 9 - 12

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	31.8	33.9	35.9	36.6	36.8	37.1	43.4	44.7
Standard Deviation (dB)	4.6	5.3	5.0	4.2	4.6	3.7	4.2	5.7
Assumed Protection (dB)	27.2	28.6	30.9	32.4	32.2	33.4	39.2	39.0

H = 35; M = 33; L = 32

SNR = 36

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 identified by an alpha suffix after the model reference and the Technical File will be updated with the appropriate information.