

EC TYPE-EXAMINATION CERTIFICATE: 0154

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: 5th July 1994

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)



For terms and conditions of issue, see page 2

Terms and Conditions

Reference Documents: -

- | | | | |
|------|--------------------------|---|--|
| i) | Test Report | - | INSPEC 92.10.31, 01.07.40 |
| ii) | Technical File | - | TF/0154 Refer to 3M Tech File TF0281 |
| iii) | Test and Inspection Plan | - | Release specification 3M New Ulm contained in TF0281 |

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- iv) This Certificate remains the property of INSPEC and may be withdrawn if any of the conditions attached to its issue are not complied with.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
Page 1 of 2 Amendment THREE	Withdrawn	27/7/01	
Page 2 of 2 Amendment THREE	Withdrawn	27/7/01	
Schedule No. ONE	Withdrawn	27/7/01	
Pages 1-4	Withdrawn	100803	Change of certificate format and address
Pages 1 to 4	Valid	120106	Ultrafit Plus made obsolete and Ultratech transferred to new certificate. Attenuation data has been revised. Format changed to include reference to Terms of business.



CERTIFICATION SCHEDULE

Description: Ultrafit

Size Range: 7 - 12

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	29.2	29.4	29.4	32.2	32.3	36.1	44.3	44.8
Standard Deviation (dB)	6.0	7.4	6.6	5.3	5.0	3.2	6.0	6.4
Assumed Protection (dB)	23.2	22.0	22.7	26.9	27.3	32.8	38.3	38.4

H = 33; M = 28; L = 25

SNR = 32

Description: Tracers

Size Range: 7 - 12

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	29.2	29.4	29.4	32.2	32.3	36.1	44.3	44.8
Standard Deviation (dB)	6.0	7.4	6.6	5.3	5.0	3.2	6.0	6.4
Assumed Protection (dB)	23.2	22.0	22.7	26.9	27.3	32.8	38.3	38.4

H = 33; M = 28; L = 25

SNR = 32

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.