

EC Type-Examination Certificate

This is to certify that:

3M United Kingdom Plc
3M Centre
Bracknell
Berkshire
RG12 8HT
United Kingdom

Holds Certificate Number:

CE 01912

In respect of:

Hearing protectors - ear-plugs to EN 352-2:2002
Model: 3M™ 1310 Banded Ear-plugs.

On the basis of our examination, under the requirements of Council Directive 89/686/EEC "Personal Protective Equipment" Article 10, EC Type-Examination.

For and on behalf of BSI,
a Notified Body for the above Directive
(Notified Body Number 0086):



Gary Fenton, Global Assurance Director

First Issued: 12/05/1998

Latest Issue: 9/12/2014

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Product Details

Product type:	Hearing Protectors – Ear-plugs.
Product name:	Banded Ear-plugs.
Model:	3M™ 1310 Banded Ear-plugs (standard industrial product).
Technical Specification:	Harmonized European Standard EN 352-2:2002.
EN 352-2 classification:	Banded ear-plugs for use in the behind-the-head and under-the-chin wearing modes.

Product Assessment

The product assessment was based on BS EN 352-2:2002, the English language version of EN 352-2:2002, Hearing Protectors – Part 2: Ear-plugs.

Design Details

The model incorporates semi-aural ear tips which are designed to seal the entrance part of the ear canal to help reduce noise that is harmful to the ear.

The ear-plugs are connected by a plastics band and are designed to be used in the behind-the-head and under-the-chin wearing modes.

The model meets the EN 352-2 requirements for the small, medium and large banded ear-plugs size ranges in both the behind-the-head and under-the-chin wearing modes.

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Attenuation data:

Behind-the-head mode (B-T-H):

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mf (dB)	19.0	20.1	20.4	22.7	24.7	36.2	40.1	42.9
sf (dB)	4.6	4.1	4.7	5.5	2.9	4.3	3.0	4.1
APVf (dB)	15.3	16.0	15.8	17.2	21.8	31.9	37.1	38.8

SNR: 25 dB **H:** 30 dB **M:** 21 dB **L:** 18 dB

Under-the-chin mode (U-T-C):

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mf (dB)	22.6	21.7	21.8	23.6	25.1	34.8	40.5	42.7
sf (dB)	5.0	4.6	4.5	4.3	3.0	3.2	4.3	3.6
APVf (dB)	17.6	17.0	17.3	19.3	22.1	31.6	36.2	39.1

SNR: 26 dB **H:** 30 dB **M:** 22 dB **L:** 19 dB

Packaged variants

In addition to the products referenced on this Certificate, the standard industrial products 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.

Kits and packouts

The products referenced on this Certificate may also be combined with other 3M products into a kit or packout. There will be no change to the product but the user information may vary. In such instances the Technical File will be updated with the appropriate information.

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Certification Administration Details

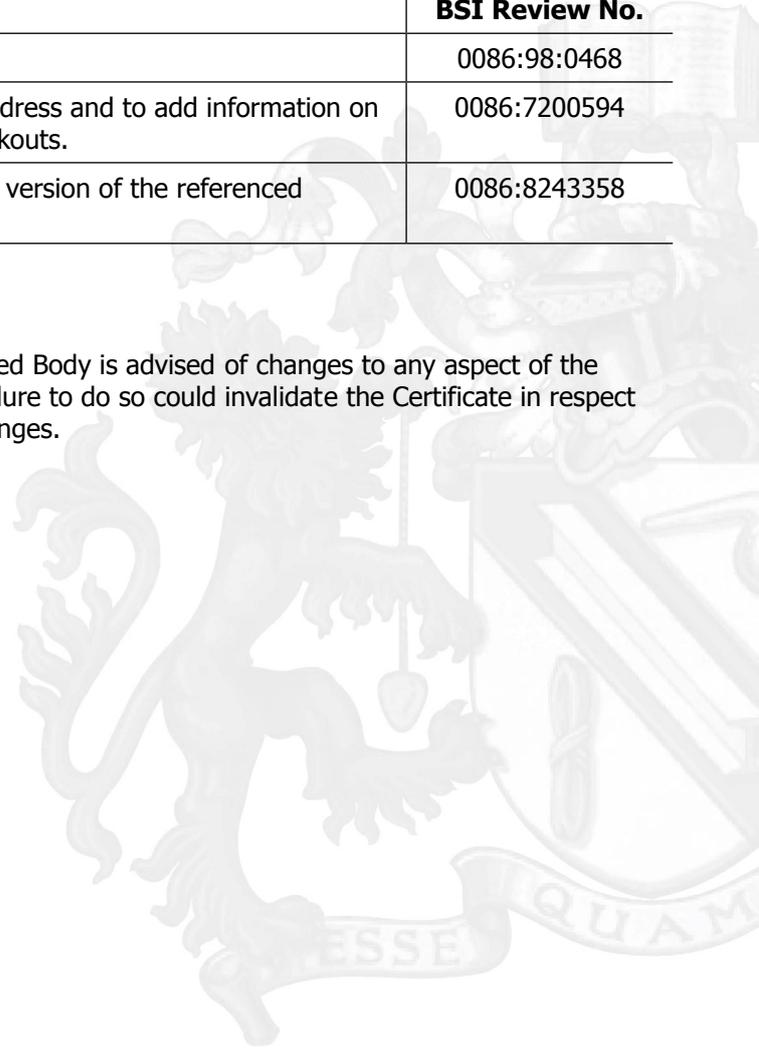
Technical File reference: TF0384

Certificate Amendment Record and internal BSI Review related to this Certificate:

Issue date	Comments	BSI Review No.
12 May 1998	First issue	0086:98:0468
25 March 2009	Change of manufacturer's headquarters address and to add information on product and product variants, Kits and Packouts.	0086:7200594
Latest Issue	Certificate amended to update to the 2002 version of the referenced standards.	0086:8243358

Certificate validity

The Certificate holder is responsible for ensuring that the Notified Body is advised of changes to any aspect of the overall processes utilised in the manufacture of the product, failure to do so could invalidate the Certificate in respect of product manufactured following the introduction of such changes.



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