

# EU Type Examination Certificate

This is to certify that: 3M United Kingdom Plc  
3M Centre  
Cain Road  
Bracknell  
Berkshire  
RG12 8HT  
United Kingdom

Holds Certificate Number: CE 706321

In respect of:

**Personal hearing protection to EN 352-2:2002 -  
Ear-plugs  
Models: 3M™ 1100 and 1110.**

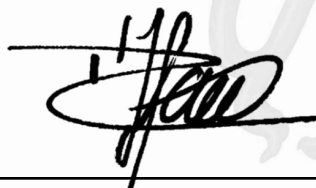
on the basis that BSI carried out the relevant Type Examination procedures under the requirements with the Regulation (EU) 2016/425 of the European Parliament and Council relating to Personal Protective Equipment Regulation (PPE) Annex V (Module B) and meets the relevant health and safety requirements specified in Annex II

For and on behalf of BSI, a Notified Body for the above Regulation (Notified Body Number 2797):

Previous Notified Body: BSI 0086

First Issued: 2019-04-09

Latest Issue: 2019-10-24



Drs. Dave Hagenaaars, Managing Director

Effective Date: 2019-10-24

Expiry Date: 2024-04-09

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## Product Specification

**Product Name:** 3M™ Disposable Earplugs.  
**Product Type:** Hearing protectors – ear-plugs.  
**Model:** 1100 (uncorded)  
(standard industrial products) 1110 (corded)

**Technical Specification:** Harmonized European Standard: EN 352-2:2002.

**Product Description:** The Earplugs have been designed to be inserted into the ear canal. The Earplugs are disposable and as detailed above one model is available as corded and one uncorded.

**EN 352-2 classifications:** Disposable.  
(both models)

## Product Assessment

The product assessments were based on BS EN 352-2:2002, the English language version of EN 352-2:2002, hearing protectors – ear-plugs.

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## Attenuation values

Test Frequency f (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation Mf (dB)	30.0	33.1	36.3	38.4	38.7	39.7	48.3	44.4
Standard Deviation Sf (dB)	3.9	5.0	7.4	6.2	5.6	5.3	4.5	4.4
Assumed Protection Value APVf (dB) (APVf = Mf-Sf)	26.1	28.1	28.9	32.2	33.1	35.4	43.8	40.0

## High, Medium and Low Frequency Attenuation Values and Single Number Rating

High Frequency Attenuation Value (H)	37 dB
Medium Frequency Attenuation Value (M)	34 dB
Low Frequency Attenuation Value (L)	31 dB
Single Number Rating (SNR)	37 dB

## Sizing

**Nominal Diameter:** Smallest – 6mm Largest – 13mm.

## 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(s) 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 applicable Technical File(s) will be updated with the appropriate information.

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## Certificate Administration Details

### Technical File Reference:

Item	Technical File
3M 1100 and 1110.	TF0539.

### Certificate Amendment Record:

Issue date	Comments	BSI Review No.
April 2019	First issue under PPE Regulation (EU) 2016/425.	0086:19:9716230

### Certificate validity

The Certificate holder is responsible for ensuring that the Notified Body is advised of changes to any aspect of the overall process 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.

The validity of the Certificate for the products is also dependent on the maintenance of the EU Conformity to Type Based on Quality Assurance of the Production Process, Annex VIII (Module D), as referenced on BSI issued Certificate CE 595701.

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