

412 - Disposable Earplugs

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Product Code	Product Description	Quantity
412-P01-A149-X29	Disposable Detect Earplugs Blue no Cord	250
412-P01-A150-X29	Disposable Detect Earplugs Blue with Detect Cord	250
412-P05-A150-X29	Disposable Detect Earplugs Yellow with Detect Cord	250

Products Specification EN 3520-2 Classifications Disposable.

Attenuation Values

Measurements were made according to American National Standards Institute Specifications ANSI S3.19-1974.

Test Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	38.6	36.8	42.6	40.3	38.4	46.5	48.3
Standard Deviation (dB)	3.8	3.9	4.1	4.0	2.6	4.0	4.7
Group Attenuation (dB)	75.4				211.9		

High, Medium and Low Attenuation Values and Single Number Rating

High frequency attenuation value (H)	36 dB
Medium frequency attenuation value (M)	36 dB
Low frequency attenuation value (L)	34 dB
Single number rating (SNR)	38 dB

Earplug Sizing	
Small	5 mm
Large	11 mm

The manufacture of protective hearing to standards

On the basis that BSI carried out the quality assurance assessment under the requirements of the product safety and metrology etc (Amendment etc)(EU exit) regulations 2020 (SI 2020/676) relating to the personal protective equipment regulation (PPE) 2016/425 Annex VIII (Module d).

The hearing protectors are covered by the scope of this module D certificate conform to the following standards:

Attenuation measurements have been performed according to the American National Standards Institute (ANSI) Specifications, EN.352-2:2002 on the ICS Client EP33 insert-type hearing protector (Lest 1D Q3023A). The specified threshold measurement data for EN.352-2:2002 were obtained using sixteen normally-hearing listeners. These listeners were selected as specified in EN.352-2:2002.

The measurements were made in a room designed for this purpose. All acoustic Characteristics of the room meet the requirements outlined in Et 352-2:2002. The ambient noise levels in this room are below the limits specified in EN352-2:2002. and open ear thresholds are used on a continuing basis to monitor the background noise levels. An automatic recording attenuator was used to record both open and occluded ear thresholds.

Each of the sixteen subjects was tested at each of seven test frequencies. Appendix A-1 presents individual and mean attenuation values in decibels (dB) for each test signal. Standard deviations (S.D.) for the 30 different attenuation determinations for each test signal are also given. The results presented in this report pertain to the samples tested only.

Accredited by the National Institute of Standards and Technology

(NIST) National Laboratory Accreditation Program (NVLAP) for tests performed according to AS/NZ S 1270:2002, ANSI S3.1 9-1 974, ANSI S 12.6-2008, ANSI S 12.42-2010 and EN352 parts 1-8. These accreditation criteria encompass the requirements of international standard ISO 17025. This report may only be reproduced or transmitted electronically in its entirety. This report shall not be used to claim product endorsement by NVLAP or by any agency of the U.S. Government.

Standard

EN 352-2:2002

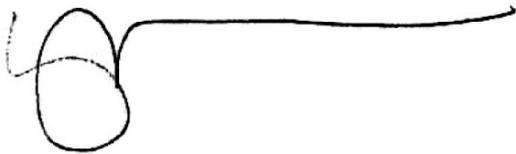
Product Type

Hearing Protectors – general requirements – earplugs

Certificate amendment record and BSI internal review relating to this certificate.

Issue date	Comments	BSI review No
January 2022	First issue	2797:22:3521681

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Helen Morrison
Group Managing Director