

EU Type Examination Certificate

This is to certify that:

Portwest Ltd.
Westport Business & Technology Park,
Castlebar Rd, Westport, Co.
Mayo
F28 FY88
Ireland

Holds Certificate Number:

CE 698123

In respect of:

Hearing Protection (Ear Muffs) to EN 352-1:2001, EN 352-3:2002, EN 352-4:2001, EN 352-6:2002 and EN 352-8:2005

See continuation sheets for details

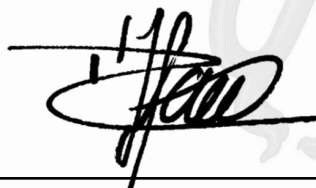
on the basis that BSI carried out the relevant Type Examination procedures under the requirements with the Regulation (EU) 2016/425 of the European Parliament and Council relating to Personal Protective Equipment Regulation (PPE) Annex V (Module B) and meets the relevant health and safety requirements 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: 2018-11-09

Latest Issue: 2019-09-12



Drs. Dave Hagenaaars, Managing Director

Effective Date: 2019-09-12

Expiry Date: 2023-11-09

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EU Type Examination Certificate

No. CE 698123

Product Specification

Model: PW40/PS40

Product Description: Headband mounted ear muffs, the headband is made from PC whilst the ear muff cup is made from ABS and the ear cushions are PVC.

Size: Small, Medium, Large.

Performance Data:	Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)		18.1	15.0	18.3	26.8	37.5	29.5	35.8	36.1
Standard Deviation(dB)		4.1	2.7	3.3	2.0	4.1	2.9	3.3	5.8
APV (dB)		14	12.3	15.0	24.8	33.4	26.6	32.5	30.3

SNR: 27.6 dB

H: 29.2 dB

M: 25.4 dB

L: 17.9 dB

Weight: 157g

Technical Specification: EN 352-1:2002 Hearing protectors - General requirements - Part 1: Ear-Muffs .

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EU Type Examination Certificate

No. CE 698123

Product Specification

Model: PW48

Product Description: Headband mounted ear muffs, the headband is made from POM whilst the ear muff cup is made from ABS and the ear cushions are PVC.

Size: Small, Medium, Large.

Performance Data:	Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)		19.0	16.0	18.3	25.9	30.6	31.7	34.5	38.1
Standard Deviation(dB)		5.7	5.0	2.5	2.8	1.6	3.4	2.8	2.6
APV (dB)		13.3	11.0	15.8	23.1	28.9	28.3	31.7	35.5

SNR: 27.6 dB

H: 30.4 dB

M: 24.9 dB

L: 17.7 dB

Weight: 168g

Technical Specification: EN 352-1:2002 Hearing protectors - General requirements - Part 1: Ear-Muffs .

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Product Specification

Model: PW41/PS41

Product Description: Headband mounted ear muffs, the headband is made from POM whilst the ear muff cup is made from HIPS and the ear cushions are PVC.

Size: Medium, Large.

Performance Data:	Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
	Mean Attenuation (dB)	17.8	18.0	22.3	27.2	37.4	33.9	37.4	38.4
	Standard Deviation(dB)	3.5	2.6	2.9	3.1	3.3	2.2	3.5	5.1
	APV (dB)	14.3	15.4	19.3	24.1	34.0	31.7	33.9	33.3

SNR: 30.4 dB

H: 33.0 dB

M: 27.8 dB

L: 21.3 dB

Weight: 257g

Technical Specification: EN 352-1:2002 Hearing protectors - General requirements - Part 1: Ear-Muffs .

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EU Type Examination Certificate

No. CE 698123

Product Specification

Model: PS48

Product Description: Headband mounted ear muffs, the headband is made from POM whilst the ear muff cup is made from HIPS and the ear cushions are PVC.

Size: Small, Medium, Large.

Performance Data:	Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)		13.5	11.2	12.8	19.9	27.6	34.1	41.6	37.3
Standard Deviation(dB)		5.6	4.3	3.9	3.6	3.8	2.4	3.2	4.5
APV (dB)		7.9	6.9	9.0	16.2	23.8	31.7	38.4	32.7

SNR: 22.0 dB **H:** 30.0 dB **M:** 19.0 dB **L:** 12.0 dB

Weight: 184g

Technical Specification: EN 352-1:2002 Hearing protectors - General requirements - Part 1: Ear-Muffs .

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EU Type Examination Certificate

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Product Specification

Model: PW42/PS42

Product Description: Helmet mounted ear muffs for use with PORTWEST industrial safety helmet PW50 and PW51. The ear muff cup is made from HIPS, cup supporting arm is made from stainless steel, and the ear cushions are PVC.

Size: Medium, Large.

Performance Data:	Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)		12.4	14.4	17.9	27.3	34.1	34.8	32.8	32.3
Standard Deviation(dB)		5.2	4.9	4.5	4.2	4.2	4.5	4.6	6.4
APV (dB)		7.2	9.4	13.4	23.1	29.9	30.4	28.2	26.0

SNR: 25.9 dB

H: 29.3 dB

M: 23.8 dB

L: 15.5 dB

Weight: 271g

Technical Specification: EN 352-3:2002 Hearing protectors - General requirements Part 3: Ear-Muffs attached to an industrial safety helmet.

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Product Specification

Model: PW45

Product Description: Headband mounted adjustable electronic ear muffs. The headband is made from POM, the ear muff cup is made from HIPS, the ear cushions are made from PVC.

Size: Small, Medium, Large.

Performance Data:	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mean Attenuation (dB)	17.9	20.3	29.2	34.6	36.8	39.0	40.1
	Standard Deviation(dB)	2.1	2.2	3.4	2.5	3.1	2.7	2.7
	APV (dB)	15.8	18.1	25.8	32.1	33.7	36.2	37.5

SNR: 31.0 dB **H:** 35.0 dB **M:** 28.0 dB **L:** 21.0 dB

Weight: 316.8g

Technical Specification: EN 352-1:2002 Hearing protectors - General requirements - Part 1: Ear-Muffs .
EN 352-4:2001 Hearing Protectors – Part 4: Level Dependent Ear-Muffs.

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Certificate Administration Details

Product initially approved on BSI certificate: CE 691447.

Certificate Amendment Record:

Issue Date	Comments
November 2018	First issue.

BSI Review Ref:
0086:18:9632757

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.

Monitoring of manufactured PPE:

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 694611.

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