

# 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

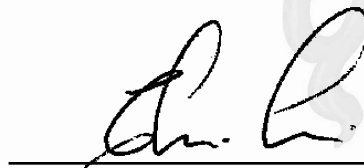
In respect of:

**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 BSI carried out the relevant Type Examination procedure in accordance with the Regulation (EU) 2016/425 of the European Parliament and Council relating to Personal Protective Equipment (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 0086):



Chris Lewis - Certification Director, Product Certification

First Issued: 2018-11-09

Latest Issue: 2018-11-09

Effective Date: 2018-11-09

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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
	<b>Mean Attenuation (dB)</b>	18.1	15.0	18.3	26.8	37.5	29.5	35.8	36.1
	<b>Standard Deviation(dB)</b>	4.1	2.7	3.3	2.0	4.1	2.9	3.3	5.8
	<b>APV (dB)</b>	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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BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.  
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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.

<b>Performance Data:</b>	<b>Frequency (Hz)</b>	<b>63</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>	<b>4000</b>	<b>8000</b>
<b>Mean Attenuation (dB)</b>		19.0	16.0	18.3	25.9	30.6	31.7	34.5	38.1
<b>Standard Deviation(dB)</b>		5.7	5.0	2.5	2.8	1.6	3.4	2.8	2.6
<b>APV (dB)</b>		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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# EU Type Examination Certificate

No. CE 698123

## 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.

<b>Performance Data:</b>	<b>Frequency (Hz)</b>	<b>63</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>	<b>4000</b>	<b>8000</b>
<b>Mean Attenuation (dB)</b>		17.8	18.0	22.3	27.2	37.4	33.9	37.4	38.4
<b>Standard Deviation(dB)</b>		3.5	2.6	2.9	3.1	3.3	2.2	3.5	5.1
<b>APV (dB)</b>		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.

<b>Performance Data:</b>	<b>Frequency (Hz)</b>	<b>63</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>	<b>4000</b>	<b>8000</b>
<b>Mean Attenuation (dB)</b>		13.5	11.2	12.8	19.9	27.6	34.1	41.6	37.3
<b>Standard Deviation(dB)</b>		5.6	4.3	3.9	3.6	3.8	2.4	3.2	4.5
<b>APV (dB)</b>		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

No. CE 698123

## 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.

<b>Performance Data:</b>	<b>Frequency (Hz)</b>	<b>63</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>	<b>4000</b>	<b>8000</b>
<b>Mean Attenuation (dB)</b>		12.4	14.4	17.9	27.3	34.1	34.8	32.8	32.3
<b>Standard Deviation(dB)</b>		5.2	4.9	4.5	4.2	4.2	4.5	4.6	6.4
<b>APV (dB)</b>		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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# EU Type Examination Certificate

No. CE 698123

## 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.

<b>Performance Data:</b>	<b>Frequency (Hz)</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>	<b>4000</b>	<b>8000</b>
	<b>Mean Attenuation (dB)</b>	17.9	20.3	29.2	34.6	36.8	39.0	40.1
	<b>Standard Deviation(dB)</b>	2.1	2.2	3.4	2.5	3.1	2.7	2.7
	<b>APV (dB)</b>	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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