

EU Type Examination Certificate

This is to certify that:

Pan Taiwan Enterprise Co., Ltd.
16F-1, No. 16, Jian Ba Road
Chung Ho District
New Taipei City
23511
Taiwan

Holds Certificate Number:

CE 703350

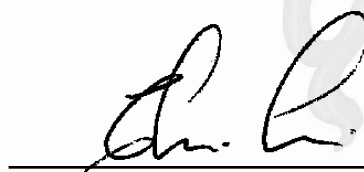
In respect of:

Hearing Protection (Ear Muffs) to EN 352-1:2002, EN 352-3:2002, EN 352-4:2001, EN 352-6:2002 and EN 352-8:2008.

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 0086):



Chris Lewis - Certification Director, Product Certification

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EU Type Examination Certificate

No. CE 703350

Product Specification

Model: SE1310

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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Product Specification

Model: SE1380

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)	14.7	9.6	14.6	23.2	27.0	31.0	38.6	36.6
	Standard Deviation(dB)	3.3	4.1	2.8	3.6	3.0	3.9	3.0	5.5
	APV (dB)	11.4	5.5	11.8	19.6	24.0	27.0	35.6	31.1

SNR: 23.9 dB **H:** 28.7 dB **M:** 20.9 dB **L:** 13.0 dB

Weight: 182g

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

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Product Specification

Model: SE1390

Product Description: Headband mounted ear muffs, the headband is made from PC 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)	18.6	12.1	16.2	24.7	31.9	31.5	39.9	38.3
Standard Deviation(dB)	3.1	2.3	2.9	3.9	3.2	3.5	2.7	5.8
APV (dB)	15.5	9.8	13.3	20.8	28.7	28.0	37.2	32.5

SNR: 26.1 dB **H:** 30.5 dB **M:** 23.2 dB **L:** 15.8 dB

Weight: 175g

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

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No. CE 703350

Product Specification

Model: SE1350

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: SE1340

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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Product Specification

Model: SE1340U

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)	20.1	20.0	25.1	31.4	40.0	33.9	37.4	34.2
	Standard Deviation(dB)	4.5	4.9	2.5	2.5	3.0	4.1	3.0	4.5
	APV (dB)	15.5	15.1	22.6	28.9	37.0	29.8	34.3	29.8

SNR: 31.5 dB **H:** 31.4 dB **M:** 30.2 dB **L:** 22.9 dB

Weight: 257g

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

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Product Specification

Model: SE1343

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

Performance Data:	Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
	Mean Attenuation (dB)	12.9	11.3	14.6	22.4	29.7	34.7	43.9	43.1
	Standard Deviation(dB)	4.5	3.2	4.2	3.4	3.2	3.5	5.6	6.5
	APV (dB)	8.4	8.1	10.4	18.9	26.5	31.2	38.3	36.7

SNR: 24.3 dB **H:** 31.6 dB **M:** 21.0 dB **L:** 13.3 dB

Weight: 195g

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

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Product Specification

Model: SE1343U

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)	19.1	16.6	18.3	28.0	31.3	33.3	37.1	40.1
	Standard Deviation(dB)	5.8	4.8	3.8	3.4	3.7	2.7	2.8	4.4
	APV (dB)	13.2	11.8	14.5	24.5	27.6	30.6	34.3	35.5

SNR: 27.8 dB **H:** 31.9 dB **M:** 24.8 dB **L:** 17.4 dB

Weight: 210g

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

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Product Specification

Model: SE1348

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: Large.

Performance Data:	Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
	Mean Attenuation (dB)	18.3	15.8	21.5	31.5	35.1	35.1	37.4	39.6
	Standard Deviation(dB)	5.7	2.7	3.2	4.7	4.7	4.9	3.8	4.4
	APV (dB)	12.6	13.0	18.3	26.8	30.5	30.2	33.6	35.2

SNR: 29.8 dB **H:** 32.1 dB **M:** 27.4 dB **L:** 19.9 dB

Weight: 258g

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

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Product Specification

Model: SE13481

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: Large.

Performance Data:

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.4	16.2	19.5	31.0	37.5	33.9	37.0	37.4
Standard Deviation(dB)	5.2	4.1	3.5	3.6	3.5	3.6	3.2	3.7
APV (dB)	13.2	12.1	16.0	27.3	34.0	30.2	33.9	33.6

SNR: 29.2 dB **H:** 32.5 dB **M:** 26.8 dB **L:** 18.4 dB

Weight: 240g

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

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Product Specification

Model: SE1347

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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Product Specification

Model: SE13421

Product Description: Headband mounted ear muffs, the headband is made from Stainless Steel 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)	18.8	19.3	23.1	31.5	36.9	33.3	31.8	31.7
Standard Deviation(dB)	5.5	4.4	4.2	3.4	3.5	3.6	3.6	5.5
APV (dB)	13.3	14.9	18.9	28.1	33.4	29.8	28.1	26.2

SNR: 28.9 dB **H:** 28.9 dB **M:** 28.0 dB **L:** 21.2 dB

Weight: 254g

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

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No. CE 703350

Product Specification

Model: SE1344

Product Description: Helmet mounted ear muffs for use with Pan Taiwan industrial safety helmets SE1701, SE1701V, SE17010, SE1716, SE1718, SE1700, SE17161, SE17022, SE17162 and SE17023. 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: SE1396

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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Product Specification

Model: SE1398

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)	16.6	17.5	26.6	38.7	37.5	43.4	40.0
	Standard Deviation(dB)	3.3	4.2	5.4	4.6	2.5	3.0	4.5
	APV (dB)	13.2	13.2	21.2	34.1	35.0	40.4	35.6

SNR: 28.0 dB **H:** 35.0 dB **M:** 24.0 dB **L:** 17.0 dB

Weight: 343.1g

Technical Specification: EN 352-1:2002 Hearing protectors - General requirements - Part 1: Ear-Muffs.
EN 352-6:2002 Hearing protectors – Safety requirements and testing – Part 6: Ear-Muffs with electrical audio input.
EN 352-8:2005 Hearing protectors – Safety requirements and testing – Part 8: Entertainment Audio Ear-Muffs

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Product Specification

Model: SE1381

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 made from PVC.

Size: Small

Performance Data:	Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
	Mean Attenuation (dB)	13.9	11.8	13.9	24.0	30.9	32.3	36.5	36.8
	Standard Deviation(dB)	6.8	4.5	3.8	3.1	4.4	4.4	4.2	7.0
	APV (dB)	7.1	7.3	10.2	20.9	26.6	27.9	32.2	29.8

SNR: 24.0 dB **H:** 29.4 dB **M:** 21.1 dB **L:** 12.9 dB

Weight: 195g

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

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Product Specification

Model: SE1381U

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 made from PVC.

Size: Small

Performance Data:	Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
	Mean Attenuation (dB)	16.3	14.3	16.7	26.7	33.0	32.0	37.3	39.4
	Standard Deviation(dB)	9.1	3.9	2.6	2.8	2.2	2.8	2.6	5.8
	APV (dB)	7.2	10.4	14.2	23.9	30.8	29.2	34.7	33.6

SNR: 27.3 dB **H:** 31.6 dB **M:** 24.6 dB **L:** 16.3 dB

Weight: 197g

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

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Product Specification

Model: SE1345

Product Description: Helmet mounted ear muffs for use with Pan Taiwan industrial safety helmets SE1701, SE1701V, SE17010, SE1716, SE1718, SE1700, SE17161, SE17022, SE17162 and SE17023. The ear muff cup is made from HIPS, cup supporting arm is made from POM and the ear cushions are made from PVC.

Size: Small, Medium, Large.

Performance Data:	Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
	Mean Attenuation (dB)	12.2	10.3	15.2	23.9	32.3	35.2	31.0	27.2
	Standard Deviation(dB)	6.0	5.2	5.6	5.3	4.9	5.0	3.5	3.7
	APV (dB)	6.2	5.1	9.6	18.6	27.5	30.2	27.5	23.6

SNR: 23.0 dB **H:** 28.0 dB **M:** 20.0 dB **L:** 12.0 dB

Weight: 261g

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

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Certificate Administration Details

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Certificate Amendment Record

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May 2019	First Issue.	0086:19:9679498

Note: 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.

Monitoring of manufactured PPE:

The validity of the Certificate is also dependent on the maintenance of the EC quality of production by monitoring system, Module D, as referenced on BSI Certificate CE 694611.

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