

EU Type Examination Certificate

This is to certify that:

Sordin AB
Rostugnsvägen 17
Vikmanshyttan
776 70
Sweden

Holds Certificate Number:

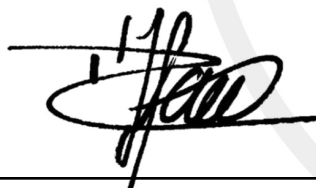
CE 737872

In respect of:

SHARP 1 and SHARP 2 to EN 352-1:2002, EN 352-3:2002, EN 352-4:2001/A1:2005 and EN 352-8:2008

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):



Drs. Dave Hagenaaars, Managing Director

First Issued: 2021-03-25

Latest Issue: 2021-03-25

Effective Date: 2021-03-25

Expiry Date: 2026-03-25

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...making excellence a habit.™

EU Type Examination Certificate

No. CE 737872

Product Specification

Model: SHARP-1

Product Description: Headband mounted adjustable electronic ear muffs. The headband is made from POM, the ear muff cup is made from ABS, the ear cushions are made from foam and TPE.

Size: Small, Medium, Large.

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	17.2	17.9	24.6	30.8	35.9	43.9	42.6
Standard Deviation(dB)	2.3	2.4	2.1	2.4	2.5	3.8	2.3
APV (dB)	14.9	15.5	22.6	28.3	33.4	40.1	40.3

SNR: 29.0 dB

H: 35.0 dB

M: 26.0 dB

L: 19.0 dB

Weight: 387g

Technical Specification:

- EN 352-1:2002 Hearing protectors - General requirements - Part 1: Ear-Muffs .
- EN 352-4:2001 Hearing protectors – Safety requirements and testing – Part 4: Level dependent earmuffs.
- EN 352-8:2008 Hearing protectors – Safety requirements and testing – Part 8: Entertainment audio ear-muffs

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To check its validity telephone +31 20 3460780. An electronic certificate can be authenticated [online](#).

BSI Group The Netherlands B.V., registered in the Netherlands under number 33264284, at John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands
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EU Type Examination Certificate

No. CE 737872

Product Specification

Model: SHARP-1B

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

Size: Small, Medium, Large.

Performance Data:

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	16.6	18.0	25.3	31.3	37.0	44.9	44.9
Standard Deviation(dB)	2.9	1.7	2.4	2.7	2.7	3.7	2.8
APV (dB)	13.7	16.4	22.9	28.6	34.4	41.2	42.1

SNR: 29.0 dB

H: 35.0 dB

M: 26.0 dB

L: 19.0 dB

Weight: 428g

Technical Specification:

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

EN 352-4:2001 Hearing protectors – Safety requirements and testing – Part 4: Level dependent earmuffs.

EN 352-8:2008 Hearing protectors – Safety requirements and testing – Part 8: Entertainment audio ear-muffs

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Product Specification

Model: SHARP-2

Product Description: Helmet mounted adjustable electronic ear muffs. The ear muff cup is made from ABS, the ear cushions are made from foam and TPE.

Size: Small, Medium, Large.

Performance Data:	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mean Attenuation (dB)	18.8	18.7	24.5	30.0	36.2	45.0	40.8
	Standard Deviation(dB)	3.0	3.2	3.1	2.9	2.6	4.7	4.9
	APV (dB)	15.8	15.4	21.4	27.1	33.6	40.4	36.0

SNR: 28.0 dB

H: 33.0 dB

M: 25.0 dB

L: 19.0 dB

Weight: 387g

Compatible Helmets: Petzl Vertex
Petzl Strato
3M SecureFit X5000VE
JSP Evo Vista
Kask Zenith
MSA V-Gard H1

Technical Specification: EN 352-3:2002 Hearing protectors. General requirements.
Part 3. Earmuffs attached to head protection and/or face protection devices

EN 352-4:2001 Hearing protectors – Safety requirements and testing –
Part 4: Level dependent earmuffs.

EN 352-8:2008 Hearing protectors – Safety requirements and testing –
Part 8: Entertainment audio ear-muffs

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Product Specification

Model: SHARP-2B

Product Description: Helmet mounted adjustable electronic ear muffs. The ear muff cup is made from ABS, the ear cushions are made from from gel and PVC foil.

Size: Small, Medium, Large.

Performance Data:	Frequency (Hz)	125	250	500	1000	2000	4000	8000
	Mean Attenuation (dB)	17.1	17.5	25.5	31.9	36.5	47.2	46.7
	Standard Deviation(dB)	3.4	2.7	3.1	3.3	3.0	2.7	2.8
	APV (dB)	13.7	14.8	22.4	28.7	33.5	44.5	43.9

SNR: 28.0 dB

H: 35.0 dB

M: 25.0 dB

L: 18.0 dB

Weight: 429g

Compatible Helmets: Petzl Vertex
Petzl Strato
3M SecureFit X5000VE
JSP Evo Vista
Kask Zenith
MSA V-Gard H1

Technical Specification: EN 352-3:2002 Hearing protectors. General requirements.
Part 3. Earmuffs attached to head protection and/or face protection devices

EN 352-4:2001 Hearing protectors – Safety requirements and testing –
Part 4: Level dependent earmuffs.

EN 352-8:2008 Hearing protectors – Safety requirements and testing –
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Certificate Administration Details

Technical File Reference: CE_SHARP-1 - Headband
CE_SHARP-2 – Helmet

Certificate Administration Record and BSI internal Technical File Review reference

Issue date	Comments	BSI Review Ref.
March 2021	First Issue.	2797:21:3310000

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 708855.

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