

EU Type Examination Certificate

This is to certify that:

Sordin AB
Rostugnsvägen 17
Vikmanshyttan
776 70
Sweden

Holds Certificate Number:

CE 708869

In respect of:

Hearing protectors - EN 352-1:2020 Headband mounted ear-muffs
Models: As detailed on continuation sheets

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):



Denelise L'Ecluse, Managing Director Assurance - Continental
Europe

First Issued: 2019-07-22

Latest Issue: 2024-07-24

Effective Date: 2024-07-24

Expiry Date: 2029-07-22



Page: 1 of 5

EU Type Examination Certificate

No. CE 708869

Product Specification

Product Type: Hearing protectors – Headband mounted ear-muffs.

Models: EXC-1 Headband
HPE-1 Headband
XLS-1 Headband
Seal-M-1 Headband

Technical Specifications: Harmonized European Standard: EN 352-1:2020.

Product Descriptions: These four industrial market orientated, headband mounted ear-muffs are fitted with foam ear cushions.

EN 352 classifications: Over-the-head ear-muff
(all models) The models were in the Small, Medium and Large size ranges.

Product Assessments

The product assessments were based on EN 352-1:2020, hearing protectors – ear-muffs.

First Issued: 2019-07-22
Latest Issue: 2024-07-24

Effective Date: 2024-07-24
Expiry Date: 2029-07-22

EU Type Examination Certificate

No. CE 708869

EXC-1 model:

EN 352-1:2020 - Attenuation values

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	19.4	19.6	23.4	32.3	33.8	35.3	40.8	41.1
Standard Deviation (dB)	3.0	3.7	3.4	3.0	2.5	3.4	3.4	3.6
APV (dB)	16.4	15.9	20.0	29.2	31.3	31.9	37.5	37.5

SNR_m: 34.0

H_m: 36.8

M_m:31.8

L_m:25.7

SNR_s: 2.0

H_s:2.7

M_s:2.1

L_s:3.1

SNR (dB): 32

H:34dB

M: 30dB

L: 23dB

Weight : 217g

HPE-1 model:

EN 352-1:2020 - Attenuation values

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	19.6	24.3	25.7	31.0	34.9	36.2	40.6	39.7
Standard Deviation (dB)	2.6	2.9	3.6	2.7	3.2	2.7	2.7	4.1
APV (dB)	17.0	21.4	22.1	28.4	31.6	33.4	38.0	35.6

SNR_m: 35.0

H_m: 36.9

M_m:32.7

L_m:28.3

SNR_s: 1.4

H_s:1.5

M_s:1.9

L_s:2.6

SNR (dB): 34

H:35dB

M: 31dB

L: 26dB

Weight : 249g

First Issued: 2019-07-22

Effective Date: 2024-07-24

Latest Issue: 2024-07-24

Expiry Date: 2029-07-22

Page: 3 of 5

This certificate has been issued by and remains the property of BSI Group The Netherlands B.V., John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands and should be returned immediately upon request.
To check its validity telephone +31 20 3460780. An electronic certificate can be authenticated [online](#).

EU Type Examination Certificate

No. CE 708869

XLS-1 model:

EN 352-1:2020 - Attenuation values

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.2	18.8	22.0	31.1	34.3	33.8	38.4	41.3
Standard Deviation (dB)	3.8	3.5	2.0	3.2	3.8	3.4	3.2	3.8
APV (dB)	14.4	15.3	19.9	27.8	30.4	30.4	35.3	37.6

SNR_m: 32.9

H_m: 35.5

M_m:30.8

L_m:24.5

SNR_s: 1.8

H_s:3.1

M_s:1.8

L_s:2.2

SNR (dB): 31

H:32dB

M: 29dB

L: 22dB

Weight : 197g

Seal-M-1 model:

EN 352-1:2020 - Attenuation values

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.6	19.7	20.8	27.8	32.6	32.7	39.8	40.4
Standard Deviation (dB)	3.0	2.1	1.8	2.4	2.3	2.0	2.7	2.5
APV (dB)	15.6	17.5	19.0	25.4	30.3	30.7	37.1	37.5

SNR_m: 32.1

H_m: 34.8

M_m:29.7

L_m:23.9

SNR_s: 1.5

H_s:1.7

M_s:1.6

L_s:1.5

SNR (dB): 31

H:33dB

M: 28dB

L: 22dB

Weight : 236g

First Issued: 2019-07-22

Latest Issue: 2024-07-24

Effective Date: 2024-07-24

Expiry Date: 2029-07-22

Page: 4 of 5

This certificate has been issued by and remains the property of BSI Group The Netherlands B.V., John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands and should be returned immediately upon request.
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
A member of BSI Group of Companies.

EU Type Examination Certificate

No. CE 708869

Certificate Administration Details

Technical File References:

Product	Technical File
EXC-1 Headband	EXC-1 Headband Technical File
HPE-1 Headband	HPE-1 Headband Technical File
XLS-1 Headband.	XLS-1 Headband Technical File.
Seal-M-1 Headband	Seal-M-1 Headband Technical File

Certificate Amendment Record:

Issue date	Comments	BSI Review No.
July 2019	First issue under PPE Regulation (EU) 2016/425.	0086:19:9749076
July 2024	5 year renewal and reissue with update to Standard EN 352-1:2020 for all models and add model Seal-M-1- Headband. Removal of models EXC-1B and HPE-1B.	2797:24:30122069

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.

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 708855.

First Issued: 2019-07-22

Latest Issue: 2024-07-24

Effective Date: 2024-07-24

Expiry Date: 2029-07-22

Page: 5 of 5

This certificate has been issued by and remains the property of BSI Group The Netherlands B.V., John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands and should be returned immediately upon request.
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
A member of BSI Group of Companies.