

EU Type Examination Certificate

This is to certify that:

Sordin AB
Rostugnsvägen 17
Vikmanshyttan
776 70
Sweden

Holds Certificate Number:

CE 800608

In respect of:

X2/T2 to EN 352-1:2020, EN 352-2:2020, EN 352-3:2020, EN 352-4:2020, EN 352-6:2020 and EN 352-8:2020

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: 2024-09-11

Latest Issue: 2024-09-11

Effective Date: 2024-09-11

Expiry Date: 2029-09-10



Page: 1 of 12

EU Type Examination Certificate

No. CE 800608

Product Type: Hearing Protectors – Headband mounted ear-muffs

Model: Sordin Supreme X2



Sordin Supreme T2 – support for T2 Flex Com CC communication kit

Sordin Supreme T2 CC – fixed boom microphone and cable connection to two way radio via PTT

Sordin Supreme T2 CC Right – as T2 CC with fixed boom microphone and cable connection mounted to the right

Product Description: The above variants of this Headband mounted adjustable electronic ear muffs, Provide situational awareness with ambient sound for listening and face to face communication. The headband is made from leather or textiles, the ear muff cup is made from ABS, the ear cushions are made from either foam or gel.

Size: Small, Medium, Large.

Product Assessments

The product assessments were based on the following standards:

- EN 352-1:2020, hearing protectors – ear-muffs
- EN 352-4:2020, hearing protectors – level-dependent ear-muffs
- EN 352-6:2020, hearing protectors – ear-muffs with safety related audio input.
- EN 352-8:2020, hearing protectors – ear-muffs entertainment audio

First Issued: 2024-09-11

Latest Issue: 2024-09-11

Effective Date: 2024-09-11

Expiry Date: 2029-09-10

Page: 2 of 12

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 800608

Product Assessments continued:

EN 352-1:2020 - Attenuation values PVC Cushions all models

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	19.3	17.5	19.8	26.2	33.1	31.5	41.3	41.4
Standard Deviation (dB)	3.0	2.6	2.4	2.2	2.0	2.6	2.5	3.4
APV (dB)	16.2	14.9	17.5	24.0	31.1	28.9	38.8	38.1

SNR_m: 31.0
SNR_s: 1.6
SNR (dB): 29

H_m: 34.1
H_s: 2.2
H: 32dB

M_m: 28.7
M_s: 1.6
M: 27dB

L_m: 22.6
L_s: 2.2
L: 20dB

Weight (PVC Cushions): 309.0g

Product Assessment continued:

EN 352-1:2020 - Attenuation values Gel Cushions all models

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	20.5	19.7	21.1	26.2	30.7	31.1	41.1	42.2
Standard Deviation (dB)	2.2	2.2	2.4	2.8	2.8	2.7	3.2	2.7
APV (dB)	18.4	17.6	18.8	23.4	27.8	28.4	37.8	39.6

SNR_m: 31.1
SNR_s: 1.7
SNR (dB): 29

H_m: 33.3
H_s: 2.1
H: 31dB

M_m: 28.5
M_s: 1.9
M: 27dB

L_m: 23.9
L_s: 1.9
L: 22dB

Weight (PVC Cushions): 367.0g

EN 352-4:2020 - Criterion Levels all model variants

High Frequency Sound Pressure Level (H)	107.2 dBA
Medium Frequency Sound Pressure Level (M)	110.0 dBA
Low Frequency Sound Pressure Level (L)	Not applicable

First Issued: 2024-09-11
Latest Issue: 2024-09-11

Effective Date: 2024-09-11
Expiry Date: 2029-09-10

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 800608

Product Type: Hearing Protectors – Dual protection Headband mounted ear-muffs used in combination with Sordin SoftEar ear-plug

Model: Sordin Supreme X2



Sordin Supreme T2 – support for T2 Flex Com CC communication kit

Sordin Supreme T2 CC – fixed boom microphone and cable connection to two way radio via PTT

Sordin Supreme T2 CC Right – as T2 CC with fixed boom microphone and cable connection mounted to the right

Product Description: The above variants of this Headband mounted adjustable electronic ear muffs, Provide situational awareness with ambient sound for listening and face to face communication. The headband is made from leather or textiles, the ear muff cup is made from ABS, the ear cushions are made from either foam or gel.

The headband mounted ear-muffs are used in combination with Sordin SoftEar ear-plugs.

Size: Small, Medium, Large.

Product Assessments

The product assessments were based on the following standards:

- EN 352-1:2020, hearing protectors – ear-muffs
- EN 352-2:2020 hearing protectors – ear-plugs
- EN 352-4:2020, hearing protectors – level-dependent ear-muffs
- EN 352-6:2020, hearing protectors – ear-muffs with safety related audio input.
- EN 352-8:2020, hearing protectors – ear-muffs entertainment audio

First Issued: 2024-09-11
Latest Issue: 2024-09-11

Effective Date: 2024-09-11
Expiry Date: 2029-09-10

EU Type Examination Certificate

No. CE 800608

Product Assessments continued:

EN 352-1:2020 - Attenuation values when dual protection of Sordin Supreme headband mounted ear-muffs (PVC cushion all models) used in combination with Sordin SoftEar ear-plug

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	32.1	34.7	41.2	50.7	43.3	39.8	48.0	46.9
Standard Deviation (dB)	5.9	5.7	5.6	5.9	4.5	4.6	4.0	3.9
APV (dB)	26.2	29.1	35.6	44.8	38.8	35.3	44.0	42.9

SNR_m: 43.0
SNR_s: 3.3
SNR (dB): 40

H_m: 41.5
H_s: 3.8
H: 38dB

M_m: 42.0
M_s: 3.5
M: 38dB

L_m: 40.2
L_s: 4.1
L: 36dB

Weight (PVC Cushions): 309.0g

Product Assessment continued:

EN 352-1:2020 - Attenuation values when dual protection of Sordin Supreme headband mounted ear-muffs (Gel cushion all models) used in combination with Sordin SoftEar ear-plug

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	31.6	34.0	43.8	55.8	44.5	41.2	50.1	49.0
Standard Deviation (dB)	5.3	5.0	5.6	6.1	5.5	5.5	3.7	3.8
APV (dB)	26.3	29.0	38.1	49.6	38.9	35.6	46.3	45.1

SNR_m: 44.1
SNR_s: 3.8
SNR (dB): 40

H_m: 42.7
H_s: 4.5
H: 38dB

M_m: 43
M_s: 4.0
M: 39dB

L_m: 41.2
L_s: 4.2
L: 37dB

Weight (PVC Cushions): 367.0g

EN 352-4:2020 - Criterion Levels all model variants

High Frequency Sound Pressure Level (H)	107.2 dBA
Medium Frequency Sound Pressure Level (M)	110.0 dBA
Low Frequency Sound Pressure Level (L)	Not applicable

First Issued: 2024-09-11
Latest Issue: 2024-09-11

Effective Date: 2024-09-11
Expiry Date: 2029-09-10

EU Type Examination Certificate

No. CE 800608

Product Type: Hearing Protectors – Neckband mounted ear-muffs

Model: Sordin Supreme X2



Sordin Supreme T2 – support for T2 Flex Com CC communication kit

Sordin Supreme T2 CC – fixed boom microphone and cable connection to two way radio via PTT

Sordin Supreme T2 CC Right – as T2 CC with fixed boom microphone and cable connection mounted to the right

Product Description: The above variants of this Neckband mounted adjustable electronic ear muffs, Provide situational awareness with ambient sound for listening and face to face communication. The neckband is made from a textile, the ear muff cup is made from ABS, the ear cushions are made from either foam or gel.

Size: Small, Medium, Large.

Product Assessments

The product assessments were based on the following standards:

- EN 352-1:2020, hearing protectors – ear-muffs
- EN 352-4:2020, hearing protectors – level-dependent ear-muffs
- EN 352-6:2020, hearing protectors – ear-muffs with safety related audio input.
- EN 352-8:2020, hearing protectors – ear-muffs entertainment audio

First Issued: 2024-09-11
Latest Issue: 2024-09-11

Effective Date: 2024-09-11
Expiry Date: 2029-09-10

EU Type Examination Certificate

No. CE 800608

Product Assessments continued:

EN 352-1:2020 - Attenuation values PVC Cushions all models

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.1	16.9	20.6	26.9	31.9	29.2	38.5	39.6
Standard Deviation (dB)	3.0	2.0	2.6	3.0	2.8	3.6	3.5	3.9
APV (dB)	15.1	14.9	17.9	23.9	29.0	25.6	35.0	35.7

SNR_m: 30.3
SNR_s: 2.0
SNR (dB): 28

H_m: 31.8
H_s: 3.2
H: 29dB

M_m: 28.3
M_s: 2.0
M: 26dB

L_m: 22.8
L_s: 1.9
L: 21dB

Weight (PVC Cushions): 275.0g

Product Assessment continued:

EN 352-1:2020 - Attenuation values Gel Cushions all models

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	19.1	18.9	20.8	25.6	32.5	30.9	39.8	40.8
Standard Deviation (dB)	3.1	2.2	2.4	2.8	2.7	3.0	3.1	4.0
APV (dB)	16.0	16.8	18.5	22.8	29.8	27.9	36.7	36.8

SNR_m: 31.0
SNR_s: 1.9
SNR (dB): 29

H_m: 33.3
H_s: 2.5
H: 31dB

M_m: 28.6
M_s: 1.9
M: 27dB

L_m: 23.5
L_s: 1.9
L: 22dB

Weight (PVC Cushions): 333.0g

EN 352-4:2020 - Criterion Levels all model variants

High Frequency Sound Pressure Level (H)	107.2 dBA
Medium Frequency Sound Pressure Level (M)	110.0 dBA
Low Frequency Sound Pressure Level (L)	Not applicable

First Issued: 2024-09-11
Latest Issue: 2024-09-11

Effective Date: 2024-09-11
Expiry Date: 2029-09-10

EU Type Examination Certificate

No. CE 800608

Product Type: Hearing Protectors – ARC Rail Helmet mounted ear-muffs
Model: Sordin Supreme X2



Sordin Supreme T2 – support for T2 Flex Com CC communication kit
Sordin Supreme T2 CC – fixed boom microphone and cable connection to two way radio via PTT
Sordin Supreme T2 CC Right – as T2 CC with fixed boom microphone and cable connection mounted to the right

Product Description: The above variants of this ARC Rail Helmet mounted adjustable electronic ear muffs, Provide situational awareness with ambient sound for listening and face to face communication. The ear muff cup is made from ABS, the ear cushions are made from either foam or gel.

Approved Helmets: Team Wendy Exfil LTP Helmet Rail 3.0, Size M/L

Size: Small, Medium, Large.

Product Assessments

The product assessments were based on the following standards:

- EN 352-3:2020, hearing protectors – ear-muffs attached to head protection and/or face protection devices
- EN 352-4:2020, hearing protectors – level-dependent ear-muffs
- EN 352-6:2020, hearing protectors – ear-muffs with safety related audio input.
- EN 352-8:2020, hearing protectors – ear-muffs entertainment audio

First Issued: 2024-09-11
Latest Issue: 2024-09-11

Effective Date: 2024-09-11
Expiry Date: 2029-09-10

EU Type Examination Certificate

No. CE 800608

Product Assessments continued:

EN 352-3:2020 - Attenuation values PVC Cushions all models

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.4	19.7	20.3	24.4	28.3	28.8	40.6	42.9
Standard Deviation (dB)	2.2	2.0	2.4	2.3	3.0	2.8	3.4	3.4
APV (dB)	16.1	17.7	17.9	22.1	25.3	26.0	37.2	39.6

SNR_m: 29.4
SNR_s: 1.8
SNR (dB): 28

H_m: 31.1
H_s: 2.5
H: 29dB

M_m: 26.8
M_s: 2.0
M: 25dB

L_m: 22.9
L_s: 1.7
L: 21dB

Weight (PVC Cushions): 288.0g

Product Assessment continued:

EN 352-3:2020 - Attenuation values Gel Cushions all models

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.6	17.7	19.9	24.1	29.6	29.8	39.7	42.2
Standard Deviation (dB)	2.7	2.3	2.2	2.6	2.7	2.4	2.3	3.1
APV (dB)	15.9	15.4	17.7	21.5	26.9	27.4	37.4	39.1

SNR_m: 29.6
SNR_s: 1.7
SNR (dB): 28

H_m: 32.2
H_s: 2.2
H: 30dB

M_m: 27.0
M_s: 1.8
M: 25dB

L_m: 22.2
L_s: 1.4
L: 21dB

Weight (PVC Cushions): 345.0g

EN 352-4:2020 - Criterion Levels all model variants

High Frequency Sound Pressure Level (H)	107.2 dBA
Medium Frequency Sound Pressure Level (M)	110.0 dBA
Low Frequency Sound Pressure Level (L)	Not applicable

First Issued: 2024-09-11

Latest Issue: 2024-09-11

Effective Date: 2024-09-11

Expiry Date: 2029-09-10

EU Type Examination Certificate

No. CE 800608

Product Type: Hearing Protectors – R ARC Rail Helmet mounted ear-muffs
Model: Sordin Supreme X2



Sordin Supreme T2 – support for T2 Flex Com CC communication kit
Sordin Supreme T2 CC – fixed boom microphone and cable connection to two way radio via PTT
Sordin Supreme T2 CC Right – as T2 CC with fixed boom microphone and cable connection mounted to the right

Product Description: The above variants of this R ARC Rail Helmet mounted adjustable electronic ear muffs, Provide situational awareness with ambient sound for listening and face to face communication. The ear muff cup is made from ABS, the ear cushions are made from either foam or gel.

Approved Helmets: OPS-CORE FAST CARBON HIGH CUT HELMET, Size M/L
Size: Small, Medium, Large.

Product Assessments

The product assessments were based on the following standards:

- EN 352-3:2020, hearing protectors – ear-muffs attached to head protection and/or face protection devices
- EN 352-4:2020, hearing protectors – level-dependent ear-muffs
- EN 352-6:2020, hearing protectors – ear-muffs with safety related audio input.
- EN 352-8:2020, hearing protectors – ear-muffs entertainment audio

First Issued: 2024-09-11
Latest Issue: 2024-09-11

Effective Date: 2024-09-11
Expiry Date: 2029-09-10

EU Type Examination Certificate

No. CE 800608

Product Assessments continued:

EN 352-3:2020 - Attenuation values PVC Cushions all models

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	20.0	18.3	22.3	27.2	32.8	32.3	39.9	40.3
Standard Deviation (dB)	3.1	2.9	2.9	2.9	2.6	2.5	2.5	2.6
APV (dB)	17.0	15.3	19.3	24.4	30.2	29.8	37.4	37.7

SNR_m: 32.0

H_m: 34.4

M_m:29.6

L_m:24.1

SNR_s: 1.8

H_s:1.8

M_s:1.9

L_s:2.3

SNR (dB): 30

H: 33dB

M: 28dB

L: 22dB

Weight (PVC Cushions): 342.0g

Product Assessment continued:

EN 352-3:2020 - Attenuation values Gel Cushions all models

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	19.9	18.2	20.1	24.1	28.2	30.5	42.0	41.7
Standard Deviation (dB)	2.5	2.5	2.6	1.8	2.5	2.3	3.6	2.6
APV (dB)	17.4	15.8	17.5	22.3	25.7	28.3	38.4	39.1

SNR_m: 29.7

H_m: 32.5

M_m:26.9

L_m:22.5

SNR_s: 1.8

H_s:2.1

M_s:1.9

L_s:2.1

SNR (dB): 28

H: 30dB

M: 25dB

L: 20dB

Weight (PVC Cushions): 400.0g

EN 352-4:2020 - Criterion Levels all model variants

High Frequency Sound Pressure Level (H)	107.2 dBA
Medium Frequency Sound Pressure Level (M)	110.0 dBA
Low Frequency Sound Pressure Level (L)	Not applicable

First Issued: 2024-09-11

Latest Issue: 2024-09-11

Effective Date: 2024-09-11

Expiry Date: 2029-09-10

Page: 11 of 12

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 800608

Certificate Administration Details

Technical File Reference: X2/T2 Technical File

Certificate Administration Record and BSI internal Technical File Review reference

Issue date	Comments	BSI Review Ref.
September 2024	First Issue.	2797:24:30052143

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.

First Issued: 2024-09-11
Latest Issue: 2024-09-11

Effective Date: 2024-09-11
Expiry Date: 2029-09-10