

EU TYPE EXAMINATION CERTIFICATE

Product Assessments: Supreme Pro-X LED headband

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



No. CE 708669

ATTENUATION DATA

Gel sealing rings

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean attenuation, M_f (dB)	17.8	15.8	19.3	23.1	30.6	29.3	36.7	38.0
Standard Deviation, s_f (dB)	3.2	2.9	3.2	2.3	3.4	2.9	3.3	3.5
APV ($M_f - s_f$) (dB)	14.6	12.9	16.1	20.8	27.2	26.4	33.4	34.5

H	M	L	SNR
29 dB	24 dB	19 dB	27 dB

Foam sealing rings (accessories)

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean attenuation, M_f (dB)	18.1	15.7	20.1	25.4	30.8	30.1	36.7	36.2
Standard Deviation, s_f (dB)	3.7	3.8	2.3	2.9	3.5	3.2	2.9	4.0
APV ($M_f - s_f$) (dB)	14.4	11.9	17.8	22.4	27.3	26.9	33.8	32.2

H	M	L	SNR
29 dB	25 dB	19 dB	28 dB

Criterion Levels (dB(A))

Model	H	M	L
Headband version	112	105	94

Earmuff Sizes

Model	Approved sizes
Headband version	S, M, L

ATTENUATION DATA ANSI S3.19-1974

Gel sealing rings

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean attenuation dB(A)	16.8	17.7	23.5	28.1	28.0	34.3	39.1	42.3	39.7
Standard deviation dB(A)	3.0	1.9	2.0	2.6	2.1	2.7	3.1	2.6	2.3

NRR
21 dB

Foam sealing rings (accessories)

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean attenuation dB(A)	15.3	19.3	24.4	29.1	28.6	31.1	34.0	36.1	34.7
Standard deviation dB(A)	3.0	2.1	2.8	2.8	2.4	3.3	3.2	3.3	2.9

NRR
21 dB