

Hearing Protective Device Test Report Number Q5427A Revision 0

Safety Jogger

Meersbloem-Melden 42

B-9700 Oudenaarde

Date of Report: 3/5/19

Date of testing: 2/5/19-3/4/19

Date of Sample Receipt: 1/23/19



Technician: Eileen Kline

Attenuation measurements have been performed according to the American National Standards Institute (ANSI) Specifications, ANSI S3.19-1974, using the experimenter-fit protocol, on the Safety Jogger ETOSHA II muff-type hearing protector (test ID Q5427A). The specified threshold measurement data were obtained using ten normally-hearing listeners, six male and four female. These listeners were selected from a standby group of about 35 volunteers who regularly serve as listeners for measurements of this kind.

The measurements were made in a room designed for this purpose. All acoustic characteristics of the room meet the requirements outlined in ANSI S3.19-1974. The ambient noise levels in this room are below the limits specified in ANSI S3.19-1974, and open ear thresholds are used on a continuing basis to monitor the background noise levels. An automatic recording attenuator was used to record both open and occluded ear thresholds.

Each of ten subjects was tested three times at each of nine test frequencies. The attached Tables show grand mean attenuation values in decibels (dB) for each test signal along with group attenuation values. Standard deviations (S.D.) for the 30 different attenuation determinations for each test signal are also given. The results presented in this report pertain to the samples tested only.

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Use these laboratory-derived attenuation data for comparison purposes only. The amount of protection afforded in field use is often significantly lower depending on how the protectors are fitted and worn.


Kevin Michael, Ph.D., President


Date

Date of Reissue: 4/8/23

**Individual and Summary Attenuation Data for
Hearing Protective Devices**

Test Method: ANSI S3.19-1974
 Manufacturer: Safety Jogger
 Model: ETOSHA II

Position: Over-the-head
 Date: 3/5/19
 Test ID: Q5427A

SUBJECT	Attenuation in dB								
	Center Frequency in Hz								
	125	250	500	1000	2000	3150	4000	6300	8000
1	15	19	29	41	40	37	39	34	37
	12	19	29	43	39	36	42	39	39
	15	25	32	46	40	37	39	40	38
2	18	22	28	38	40	43	45	41	39
	21	22	27	42	41	44	44	40	40
	20	21	29	44	41	44	45	42	42
3	17	20	33	41	40	41	44	40	37
	22	22	30	38	39	38	43	41	36
	20	22	31	38	38	41	39	39	38
4	22	20	26	39	34	34	37	37	38
	15	14	24	40	33	34	38	37	37
	19	18	26	40	33	33	38	36	37
5	20	20	28	40	36	35	38	39	40
	17	18	25	41	35	35	38	40	40
	18	17	26	40	38	35	38	39	40
6	15	16	21	35	33	34	40	39	37
	13	19	22	36	32	34	39	41	37
	13	16	20	36	33	35	39	39	37
7	22	20	31	41	41	40	41	39	34
	22	22	30	44	46	42	41	37	35
	21	23	31	45	43	39	42	44	37
8	19	18	30	41	42	38	36	37	39
	17	18	29	41	36	37	36	39	41
	18	21	31	46	40	39	33	34	37
9	21	18	31	41	39	37	41	39	43
	20	18	28	42	40	36	38	39	41
	22	17	28	42	39	36	40	37	39
10	17	23	28	40	40	39	39	41	38
	22	19	28	41	40	41	41	37	42
	21	18	27	41	41	39	43	40	39
MEANS	18.5	19.5	27.9	40.8	38.3	37.8	39.8	38.7	38.4
STD. DEV.	3.0	2.3	3.1	2.7	3.5	3.2	2.9	2.2	2.1

NRR = 24 dB

Headband force = 2.9 lbs

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Manufacturer: Safety Jogger
Model: ETOSHA II
Position: Over-the-head

Date: 3/5/19
Test ID: Q5427A

Measurements were made according to American National Standards Institute Specifications ANSI S3.19-1974.

Center Frequency in Hz	Mean Attenuation in dB	Group Attenuation in dB	Standard Deviation in dB
125	18.5	38.0	3.0
250	19.5		2.3
500	27.9		3.1
1000	40.8		2.7
2000	38.3	184.6	3.5
3150	37.8		3.2
4000	39.8		2.9
6300	38.7	77.1	2.2
8000	38.4		2.1

Test Item: Q5427A



These data were obtained through measurements made at the laboratories of Michael & Associates, Inc., State College, PA , USA. Michael & Associates, Inc., is accredited to test to ANSI S3.19-1974, ANSI S12.6-2016, ANSI S12.42-2010, EN352 parts 1-8 and AS/NZ S1270:2002 by the National Institute of Standards and Technology (NIST) National Voluntary Laboratory Accreditation Program (NVLAP).

KLM
Kevin L. Michael, Ph.D.
President

4/8/23
Date