

Hearing Protective Device Test Report Number Q9878A Revision 0

Jiangyin Sian Plastic Protech Co. Ltd.
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PR China



Technician: Eileen Kline

Date of Report: 07 October 2025

Date of testing: 09 – 17 September 2025

Date of Sample Receipt: 08 September 2025

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 Jiangyin Sian Plastic Protech Co. Ltd. SA-8-11H overhead earmuffs (test ID Q9878A). 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.

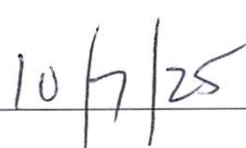
The measurements were made in a room designed for this purpose. All acoustic characteristics of the room meet the requirements outlined in ANSI S3.19-1974. The ambient noise levels in this room are below the limits specified in ANSI S3.19-1974, and open ear thresholds are used on a continuing basis to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


Jackie DiFrancesco, AuD, PhD


Date

Individual and Summary Attenuation Data

Test ID: Q9878A

Test Method: ANSI S3.19-1974

Manufacturer: Jiangyin Sian Plastic Protech, Co., Ltd.

Model: SA-8-11H

Position: Over-the-head

Date: 07 October 2025

SUBJECT	Frequency in Hz								
	125	250	500	1000	2000	3150	4000	6300	8000
1	17	22	32	32	32	35	36	35	33
	15	19	26	29	31	34	35	35	32
	17	21	30	30	30	36	36	35	32
	16	18	29	33	36	36	30	34	28
2	18	19	31	31	37	35	29	35	30
	17	20	29	35	33	35	30	34	28
	18	19	27	35	32	30	29	33	26
	15	19	27	33	32	33	27	35	27
3	15	19	26	33	32	36	28	37	28
	23	24	30	35	34	33	38	32	31
	24	21	32	34	30	31	37	33	32
	21	22	29	33	29	29	35	32	33
4	16	19	29	34	32	37	30	35	30
	17	20	29	34	33	35	31	34	31
	18	22	30	35	35	38	29	37	33
	18	24	31	32	37	39	36	37	34
5	20	24	27	32	37	39	32	37	33
	17	21	29	28	28	40	33	34	32
	16	21	29	33	33	36	32	34	27
	16	21	28	36	33	34	32	33	28
6	14	24	29	33	34	35	34	34	27
	16	19	23	28	33	36	32	35	28
	16	18	23	27	33	40	32	34	29
	16	19	25	27	31	37	30	36	28
7	25	22	30	32	29	37	35	34	33
	20	25	25	31	27	40	35	33	34
	19	23	27	32	27	36	34	33	35
	24	25	27	26	30	29	29	34	29
8	24	24	30	27	28	30	31	39	27
	23	26	25	26	29	29	30	33	29
	18.3	21.4	28.1	31.5	31.8	34.9	32.2	34.6	30.2
	3.2	2.4	2.4	2.9	2.8	3.3	3.0	1.7	2.7
MEANS									
STD. DEV.									

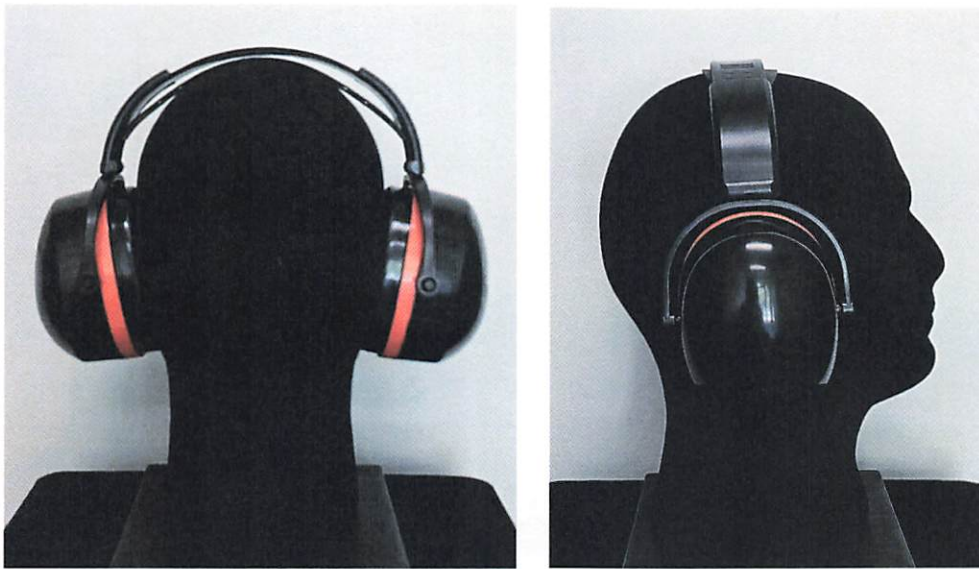
CSA Class = B

NRR = 23 dB

Headband force = 2.1 lbs.

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Test ID: Q9878A
Manufacturer: Jiangyin Sian Plastic Protech, Co., Ltd.
Model: SA-8-11H
Position: Over-the-head
Date: 07 October 2025
Special considerations during test: None
Test Item Photo(s):



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 1-10 and AS/NZ S1270:2002 by the National Institute of Standards and Technology (NIST) National Voluntary Laboratory Accreditation Program (NVLAP).