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Hearing Protective Device Test Report Number Q6828A Revision 2

TRECK S.A.
Santa Rosa 5220, San Joaquin, Santiago, Chile,
Zip Code 8960025
Date of Report: 4/24/21
Date of testing: 4/20/21-4/23/21
Date of Sample Receipt: 4/19/21
Date Of Revision 1: 4/21//26
Date of Revision 2: 7/23/26

NVLAP®
TESTING
NVLAP LAB CODE 100427-0

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 TRECK S.A.. HP3110 and HP3100, insert-type hearing protector (test ID Q6828A). 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.

Michael & Associates is accredited by the National Institute of Standards and Technology (NIST) National Laboratory Accreditation Program (NVLAP) for tests performed according to ANSI S3.19-1974, ANSI S12.6-2016, AS/NZ S1270:2002 and EN352 parts 1-10. These accreditation criteria encompass the requirements of international standard ISO 17025. This report may only be reproduced or transmitted electronically in its' entirety. This report shall not be used to claim product certification, approval or endorsement by NIST, NVLAP or by any agency of the U.S. Government. All measurement equipment are calibrated with instrumentation traceable to the NIST. Accreditation documentation can be viewed at www.michaelassociates.com/data/documents/NVLAP-2026.pdf.

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.

Calvin Michael, MSS
Director of Operations

7/23/26
Date
Date of Rev 1: 7/23/26

Individual and Summary Attenuation Data for Hearing Protective Devices

Test Method: ANSI S3.19-1974 Position: Insert
Manufacturer: TRECK S.A. Model: Date: 4/24/21
HP3110 and HP3100 Test ID: Q6828A

	Frequency in Hz								
SUBJECT	125	250	500	1000	2000	3150	4000	6300	8000
	37	39	45	40	38	36	46	47	47
1	37	39	43	40	40	38	45	48	46
	38	38	42	40	39	36	44	46	46
	35	44	55	48	37	46	53	54	48
2	37	43	54	48	39	45	53	55	48
	38	43	54	43	37	43	51	52	49
	48	50	52	44	35	49	46	50	44
3	51	49	52	44	35	49	48	50	45
	45	48	51	45	33	47	50	53	49
	48	50	51	45	34	47	52	53	50
4	47	50	50	46	35	52	51	51	50
	48	49	50	46	35	52	53	51	51
	49	44	53	52	42	44	46	47	55
5	48	49	53	53	39	46	48	49	51
	47	48	52	52	39	44	46	49	52
	39	37	43	42	42	42	48	47	47
6	38	36	42	42	41	41	45	47	48
	37	36	42	41	38	41	45	47	47
	34	30	35	34	32	40	40	45	43
7	35	33	38	35	35	41	42	44	42
	34	34	41	33	33	40	42	44	42
	43	45	48	42	45	49	48	54	52
8	41	44	47	42	45	47	48	52	51
	42	43	44	41	44	46	45	52	51
	32	39	45	44	42	51	51	52	53
9	33	36	44	42	41	51	48	52	52
	33	35	43	43	43	49	48	52	53
	42	40	47	46	49	53	50	54	50
10	43	40	45	44	48	51	48	53	50
	40	39	47	44	46	49	48	53	50
MEANS	40.6	41.6	46.8	43.3	39.4	45.3	47.6	50.0	48.6
STD. DEV.	5.7	5.8	5.2	4.6	4.5	4.8	3.4	3.2	3.3

CSA Class = AL

NRR = 32 dB

Use these laboratory-derived 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.

Manufacturer: TRECK S.A.
Model: HP3110 and HP3100
Position: Insert

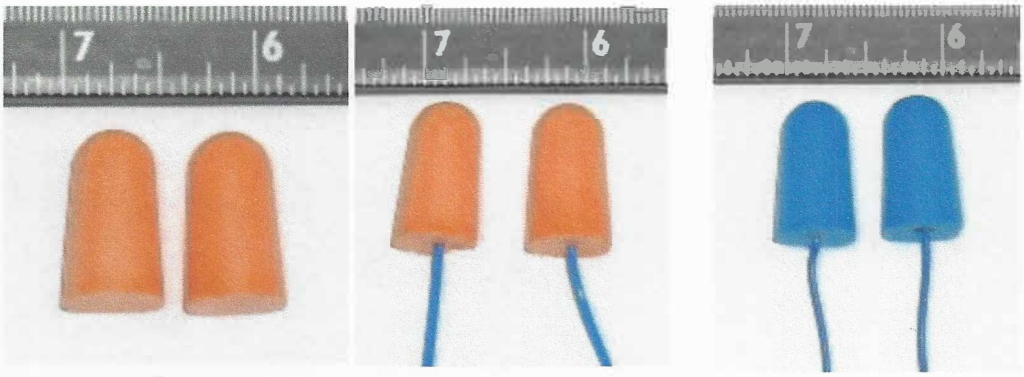
Date: 4/24/21

Test ID: Q6828A

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

Special considerations during test: None

Test Item: Q6828A



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).

Calvin Michael, MSS
Director of Operations

Date 7/23/26