Certificate of Calibration

Calibration Date: 2026-02-18
Technician: ING.ALEJANDRA BARAHONA TP 091030-545960 CND
Customer: REYVELT MEDICINA ESPECIALIZADA SAS
BOGOTA D.C

Audiometer

Manufacturer: AMPLIVOX
Model Number: 240 **Type:** 1
Serial Number: 35429 **Inventory #:**
Number of Channels: 1 **Channel tested:** 1

Earphones **Supra-aural** **Insert*** **Circumaural***
Manufacturer: Interacoustics
Model Number: DD45 318-3
Right S/N: -----
Left S/N: -----

Bone Vibrator
Manufacturer: RADIOEAR
Model Number: B71
Serial Number: 286623011

Speakers **Left** **Right**
Manufacturer:
Model Number:
Serial Number:

Instrumentation	Manufacturer	Model	Serial Number	Cal Due
Sound Level Meter	Larson-Davis	824	A4379	2026-05-23
Preamp	Larson-Davis	PRM902	5171	2026-05-23
Open Air Mic	Larson-Davis	2575	2171	2026-05-23
AEC101 Mic	Larson-Davis	2575	2171	2026-05-23
AEC100 Mic	Larson-Davis	2575	2171	2026-05-23
AEC104 Mic	Larson-Davis	2575	2171	2026-05-23
AEC102 Mic	Larson-Davis	2575	2171	2026-05-23
AEC103 Mic	Larson-Davis	2575	2171	2026-05-23
Calibrator	Larson-Davis	CAL250	5312	2026-05-23
Mastoid	Larson Davis	AMC493C	6043	2026-05-23

AUDIOMEDICAL SAS certifies that this audiometer meets or exceeds the minimum specifications described in the American National Standards Institute Specification for Audiometers. (ANSI S3.6 2018)

Alejandra Barahona García
Ingeniería Biomédica
091030-0645960 CND
RH-202211-01543

Signature: _____ Date Issued: 2026-02-18

ING.ALEJANDRA BARAHONA TP 091030-545960 CND

* Includes non-standard RETSPL.

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Audiometer

Manufacturer:	AMPLIVOX		
Model Number:	240	**Type:**	1
Serial Number:	35429	**Inventory #:**	
Number of Channels:	1	**Channel Tested:**	1

Earphones	**Supra-aural**	**Insert***	**Circumaural***
Manufacturer:	Interacoustics		
Model Number:	DD45 318-3		
Right S/N:	-----		
Left S/N:	-----		

Bone Vibrator	
Manufacturer:	RADIOEAR
Model Number:	B71
Serial Number:	286623011

Speakers	**Left**	**Right**
Manufacturer:		
Model Number:		
Serial Number:		

Instrumentation	**Manufacturer**	**Model**	**Serial Number**	**Cal Due**
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AEC104 Mic	Larson-Davis	2575	2171	2026-05-23
AEC102 Mic	Larson-Davis	2575	2171	2026-05-23
AEC103 Mic	Larson-Davis	2575	2171	2026-05-23

* Includes non-standard RETSPL

Test Name	Supra-aural Earphones	Bone Vibrator	Speakers	Insert Earphones	Circumaural Earphones
Hearing Level	Pass	Pass	-	-	-
Frequency	Pass	NA	NA	-	-
Linearity	Pass	NA	NA	-	-
Harmonic Distortion	Pass	-	NA	-	-
Pulse	-	NA	NA	-	-
Cross Talk	-	NA	NA	-	-
Frequency Modulation	-	NA	NA	-	-
Narrow Band Level	Pass	NA	-	-	-
Broad Band Noise	-	NA	NA	-	-
Speech	-	-	-	-	NA

------- Hearing Level Test -------

Supra-aural earphones

Left Earphone

Freq (Hz)	Measured SPL	Hearing Level	SPL Deviation	Target SPL
125	117.9	70.4	0.4	114.5 to 120.5
250	97.0	70.0	0.0	94.0 to 100.0
500	83.1	70.1	0.1	80.0 to 86.0
750	76.9	70.4	0.4	73.5 to 79.5
1000	76.2	70.2	0.2	73.0 to 79.0
1500	78.0	70.0	0.0	75.0 to 81.0
2000	78.4	70.4	0.4	75.0 to 81.0
3000	77.8	69.8	-0.2	75.0 to 81.0
4000	79.0	70.0	-0.0	76.0 to 82.0
6000	90.5	70.0	-0.0	85.5 to 95.5
8000	84.3	72.3	2.3	77.0 to 87.0

Right Earphone

Freq (Hz)	Measured SPL	Hearing Level	SPL Deviation	Target SPL
125	117.1	69.6	-0.4	114.5 to 120.5
250	97.1	70.1	0.1	94.0 to 100.0
500	83.4	70.4	0.4	80.0 to 86.0
750	77.1	70.6	0.6	73.5 to 79.5
1000	76.1	70.1	0.1	73.0 to 79.0
1500	78.0	70.0	0.0	75.0 to 81.0
2000	78.4	70.4	0.4	75.0 to 81.0
3000	78.0	70.0	0.0	75.0 to 81.0
4000	78.8	69.8	-0.2	76.0 to 82.0
6000	90.6	70.1	0.1	85.5 to 95.5
8000	84.1	72.1	2.1	77.0 to 87.0

------- Hearing Level Test -------

Bone Vibrator

Freq (Hz)	Measured FL	Hearing Level	FL Deviation	Target FL
250	86.6	19.6	-0.4	84.0 to 90.0
500	98.9	40.9	0.9	95.0 to 101.0
750	88.8	40.3	0.3	85.5 to 91.5
1000	82.4	39.9	-0.1	79.5 to 85.5
1500	77.3	40.8	0.8	73.5 to 79.5
2000	71.3	40.3	0.3	68.0 to 74.0
3000	70.3	40.3	0.3	67.0 to 73.0
4000	75.8	40.3	0.3	72.5 to 78.5
6000	79.8	39.8	-0.2	75.0 to 85.0
8000	81.7	41.7	1.7	75.0 to 85.0

------- Frequency Accuracy Test -------

Supra-aural earphones

	Left			Right	
Freq (Hz)	Measured Frequency	Frequency Deviation	Target Frequency	Measured Frequency	Frequency Deviation
125	125.0	0.0	123.8 to 126.3	125.0	0.0
250	250.0	0.0	247.5 to 252.5	250.0	0.0
500	500.0	0.0	495.0 to 505.0	500.0	0.0
750	750.0	0.0	742.5 to 757.5	750.0	0.0
1000	1000.0	0.0	990.0 to 1010.0	1000.0	0.0
1500	1500.0	0.0	1485.0 to 1515.0	1500.0	0.0
2000	2000.0	0.0	1980.0 to 2020.0	2000.0	0.0
3000	3000.0	0.0	2970.0 to 3030.0	3000.0	0.0
4000	4000.0	0.0	3960.0 to 4040.0	4000.0	0.0
6000	6000.0	0.0	5940.0 to 6060.0	6000.0	0.0
8000	8000.0	0.0	7920.0 to 8080.0	8000.0	0.0

Linearity Test

Supra-aural earphones

Left Earphone — Test frequency: 1000.0 Hz — Test step: 5 dB

Dial Level	dB SPL	HL Variance	Measured SPL	Measured Step	Step Variance	Target Step
100	100.48	0.48	106.48			
95	95.52	0.52	101.52	5.0	-0.0	4.0 to 6.0
90	90.52	0.52	96.52	5.0	0.0	4.0 to 6.0
85	85.53	0.53	91.53	5.0	-0.0	4.0 to 6.0
80	80.58	0.58	86.58	5.0	-0.0	4.0 to 6.0
75	75.61	0.61	81.61	5.0	-0.0	4.0 to 6.0
70	70.61	0.61	76.61	5.0	0.0	4.0 to 6.0
65	65.66	0.66	71.66	5.0	-0.0	4.0 to 6.0
60	60.67	0.67	66.67	5.0	-0.0	4.0 to 6.0
55	55.63	0.63	61.63	5.0	0.0	4.0 to 6.0
50	50.67	0.67	56.67	5.0	-0.0	4.0 to 6.0
45	45.76	0.76	51.76	4.9	-0.1	4.0 to 6.0
40	40.74	0.74	46.74	5.0	0.0	4.0 to 6.0

NF = 0.0 dB

Right Earphone — Test frequency: 1000.0 Hz — Test step: 5 dB

Dial Level	dB SPL	HL Variance	Measured SPL	Measured Step	Step Variance	Target Step
100	100.34	0.34	106.34			
95	95.38	0.38	101.38	5.0	-0.0	4.0 to 6.0
90	90.41	0.41	96.41	5.0	-0.0	4.0 to 6.0
85	84.96	-0.04	90.96	5.5	0.5	4.0 to 6.0
80	80.38	0.38	86.38	4.6	-0.4	4.0 to 6.0
75	75.45	0.45	81.45	4.9	-0.1	4.0 to 6.0
70	70.46	0.46	76.46	5.0	-0.0	4.0 to 6.0
65	65.49	0.49	71.49	5.0	-0.0	4.0 to 6.0
60	60.50	0.50	66.50	5.0	-0.0	4.0 to 6.0
55	55.48	0.48	61.48	5.0	0.0	4.0 to 6.0
50	50.51	0.51	56.51	5.0	-0.0	4.0 to 6.0
45	45.53	0.53	51.53	5.0	-0.0	4.0 to 6.0
40	40.58	0.58	46.58	5.0	-0.0	4.0 to 6.0
35	35.73	0.73	41.73	4.9	-0.1	4.0 to 6.0

NF = 0.0 dB

Distortion Test

Supra-aural earphones

Left Earphone

Frequency (Hz)	Meas Freq. (Hz)	Fund. (dB)	2nd Harm (dB)	3rd Harm (dB)	4th Harm (dB)	5th Harm (dB)	THD (%)	Max THD (%)
125	125.0	128.0	71.7	55.3	44.2	46.5	0.2	2.5
250	250.0	127.7	72.8	59.9	44.2	49.4	0.2	2.5
500	500.0	113.3	45.2	38.4	25.1	24.9	0.0	2.5
750	750.0	106.9	38.3	32.1	21.8		0.0	2.5
1000	1000.0	95.7	29.7	18.8			0.1	2.5
1500	1500.0	108.4	45.7	25.1	28.1		0.1	2.5
2000	2000.0	106.2	43.9	34.1			0.1	2.5
3000	3000.0	101.1	41.5				0.1	2.5
4000	4000.0	108.2	50.7	23.9			0.1	2.5
6000	6000.0	120.4	73.1				0.4	2.5
8000	8000.0	109.6	50.9				0.1	2.5

Right Earphone

Frequency (Hz)	Meas Freq. (Hz)	Fund. (dB)	2nd Harm (dB)	3rd Harm (dB)	4th Harm (dB)	5th Harm (dB)	THD (%)	Max THD (%)
125	125.0	127.4	71.3	65.2	47.6	47.1	0.2	2.5
250	249.7	126.0	67.9	61.7	33.8	47.9	0.1	2.5
500	500.0	113.2	42.9	38.6	26.2	25.0	0.0	2.5
750	750.0	106.9	37.8	30.5	20.9		0.0	2.5
1000	1001.0	75.0	-47.6				0.0	2.5
1500	1500.0	108.1	41.8	26.5	26.0		0.0	2.5
2000	2000.0	108.5	46.1	33.5			0.1	2.5
3000	3000.0	108.2	49.3				0.1	2.5

4000	4000.0	109.1	51.8	0.1	2.5
6000	6000.0	115.6	66.8	0.4	2.5
8000	8000.0	112.2	46.8	0.1	2.5

Narrow Band Level Test

Supra-aural earphones

Left Earphone

Freq (Hz)	Measured SPL	Hearing Level	SPL Deviation	Target SPL
125	112.0	60.5	0.5	108.5 to 116.5
250	102.0	71.0	1.0	98.0 to 106.0
500	87.6	70.6	0.6	84.0 to 92.0
750	81.7	70.2	0.2	78.5 to 86.5
1000	82.4	70.4	0.4	79.0 to 87.0
1500	83.9	69.9	-0.1	81.0 to 89.0
2000	84.0	70.0	-0.0	81.0 to 89.0
3000	84.0	70.0	-0.0	81.0 to 89.0
4000	84.3	70.3	0.3	81.0 to 89.0
6000	97.5	72.0	2.0	92.5 to 100.5
8000	86.5	69.5	-0.5	84.0 to 92.0

Right Earphone

Freq (Hz)	Measured SPL	Hearing Level	SPL Deviation	Target SPL
125	110.6	59.1	-0.9	108.5 to 116.5
250	102.6	71.6	1.6	98.0 to 106.0
500	88.1	71.1	1.1	84.0 to 92.0
750	82.3	70.8	0.8	78.5 to 86.5
1000	82.5	70.5	0.5	79.0 to 87.0
1500	84.3	70.3	0.3	81.0 to 89.0
2000	84.1	70.1	0.1	81.0 to 89.0
3000	84.3	70.3	0.3	81.0 to 89.0
4000	84.3	70.3	0.3	81.0 to 89.0
6000	97.4	71.9	1.9	92.5 to 100.5
8000	86.4	69.4	-0.6	84.0 to 92.0

Notes & Comments

P- pass F-fail NA- Not Applicable

Left Earphone	P	Power Switch	P
Right Earphone	P	Fuse	P
Left Earphone Cushion	P	Tone interrupter	P
Right Earphone Cushion	P	Tone reverse switch	P
Left Earphone cord	P	Frequency selector switch	P
Right Earphone cord	P	Earphone selector switch	P
Headband	P	Response cord	P
Bone Conductor	P	Output selector switch	P
Bone Conductor cord	P	Chan 1 input selector switch	P
Power cord	P	Chan 2 input selector switch	P
Tone 'on' lamp	P	Function selector switch	P
Power 'on' lamp	P	Microphone	P
Attenuator	P	Monitor phone/speaker	P
Masking control	P	Manual/pulse tone control	P
Volume control	P	VU meter	P