CONFIDENTAL INFORMATION

Laboratory Test Report

Date: 26-Jun-15 | Test Report No. Decibullz Foam |

ANSI S12.6 Testing – Foam Ear Plugs

Performed For: Decibullz Custom Earphones
546 8th Street SE
Loveland CO 80537 Voice: 970-682-3464

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1.0 Test Articles – Ten Foam Ear Plugs.

2.0 Applicable Specifications – ANSI S12.6 (ANSI S3.19) Physical Method

3.0 Test Results – The results of the hearing protector acoustical tests and the Noise Reduction Rating (NRR) calculations are shown in Table 3.1.

Table 3.1: Foam Ear Plug NRR Calculation Worksheet

	Measured 1/3-octave Data			Exterior to Earmuff		A-weighted Sound Levels in Earmuff / Mean Attenuation Levels
1/3 octave centerband frequency	Sound levels exterior to Earmuff	Average Earmuff Attenuation	Standard Deviation of Attenuation	C-weighted Sound Levels	A-weighted Sound Levels	
63	92	18.83	11.0	91.1	65.7	57.8
125	106	21.97	5.3	105.8	89.9	73.2
250	107	21.82	6.0	106.7	98.1	82.3
500	108	26.34	5.5	107.5	104.3	83.4
1000	107	45.94	4.6	107.0	107.0	65.6
2000	119	51.39	6.7	119.0	120.4	75.7
4000	112	51.49	8.4	111.0	112.8	69.7
8000	97	51.34	2.3	94.1	96.0	47.0
		Overall C Weighted Level =		120.5		
		Overall A Weighted Level =		86.7		
		Ear Plug NRR Value =		31		

4.0 Test Result Limitations

This test report certifies that **ONLY** the Foam ear plugs tested have the reported OSHA adjusted NRR ratings as shown in Table 3.1. EDI does not perform quality control on the ear muff manufacturers' materials or processes used to manufacture the ear muff, and therefore, **DOES NOT** certify that **ALL** Foam ear plugs will have the same OSHA adjusted NRR or mean attenuation levels.