Gordon Jarvis Consulting
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This Certificate details the results of Hearing Protector testing carried out by Gordon Jarvis Consulting - Acoustics

GJC Certificate No: **90501** **Test Series: 164**

Device Tested: **Insta-Mold - Regular Personally Moulded Earplugs**

Manufactured By: **EARMOLD AUSTRALIA®**

Date Tested: **11th to 14th May 2009**

Test Commissioned By: **EARMOLD AUSTRALIA®**



Description of Device Tested: **Flesh coloured personally moulded medical grade silicon earplugs - Made from E.A.R. Inc Insta-Mold Regular medical grade silicon rubber material. Ear moulds are trimmed of excess material and coated with 2 coats of E.A.R. Inc. Insta Seal Koter to seal the outer surface.** ***Note: E.A.R. Inc Insta-Mold Regular is available in 7 base colours and can be mixed to achieve a wide range of additional colours.***





This hearing protector device has been tested mechanically, and its sound attenuation was measured in accordance with Australian and New Zealand Standard AS/NZS 1270-2002.

Mean Reference Thresholds re 20uPa						
125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
31.5	22.7	12.6	12.7	10.5	6.5	17.4

	Real-ear attenuation values (dB) at designated octave frequencies						
Subject ID	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
S1	25	23	20	28	35	36	33
S2	20	24	27	27	33	45	36
S3	29	23	25	29	30	41	45
S4	33	34	37	31	33	45	44
S5	30	22	19	22	30	48	32
S6	27	22	21	25	27	39	29
S7	24	22	20	26	32	40	36
S8	24	27	28	29	36	44	46
S9	26	27	25	25	30	43	36
S10	17	18	25	33	32	44	36
S11	31	28	28	26	35	43	36
S12	22	22	23	24	29	38	45
S13	30	29	29	21	25	46	50
S14	18	25	22	24	34	35	34
S15	38	36	36	31	32	41	41
S16	32	28	27	24	26	41	35
S17	32	30	26	28	37	40	49
S18	26	29	29	29	31	44	45
S19	28	26	35	31	33	42	42
S20	31	27	31	29	31	41	30
S21	15	18	23	23	30	38	47
Mean	**26.5**	**25.7**	**26.5**	**26.9**	**31.4**	**41.5**	**39.3**
Standard Deviation	**5.8**	**4.6**	**5.2**	**3.3**	**3.2**	**3.1**	**6.4**
Mean minus SD	**20.7**	**21.1**	**21.3**	**23.6**	**28.2**	**38.4**	**32.9**

SLC_{80} Rating	**27**		**Average total mass of device ≈ 11 g per pair**
CLASS	**5**		
Clamping Force	**N/A**	**Newtons**	

Signatory: ..... ***Dated:*** 2 JUNE 2009
(Gordon Jarvis)

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This Certificate details the results of Hearing Protector testing carried out by Gordon Jarvis Consulting - Acoustics

GJC Certificate No: **90502** **Test Series: 164**

Device Tested: **Insta-Mold - Feather Weight Personally Moulded Earplugs**

Manufactured By: **EARMOLD AUSTRALIA®**

Date Tested: **11th to 14th May 2009**

Test Commissioned By: **EARMOLD AUSTRALIA®**



Description of Device Tested: **Day Glow Orange coloured personally moulded medical grade silicon earplugs - Made from E.A.R. Inc Insta-Mold Feather Weight medical grade silicon rubber material. Ear moulds are trimmed of excess material and coated with 2 coats of E.A.R. Inc. Insta Seal Koter to seal the outer surface.** ***Note: E.A.R. Inc Insta-Mold Feather Weight is available in 7 base colours and can be mixed to achieve a wide range of additional colours.***



This hearing protector device has been tested mechanically, and its sound attenuation was measured in accordance with Australian and New Zealand Standard AS/NZS 1270-2002.

Mean Reference Thresholds re 20uPa						
125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
31.5	22.7	12.6	12.7	10.5	6.5	17.4

	Real-ear attenuation values (dB) at designated octave frequencies						
Subject ID	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
S1	21	21	24	26	35	35	33
S2	23	28	31	28	33	43	40
S3	32	28	31	30	29	42	43
S4	30	28	33	29	33	45	45
S5	26	22	22	22	28	48	31
S6	35	30	25	27	31	43	33
S7	25	28	26	33	34	46	37
S8	21	29	27	27	34	43	48
S9	27	28	28	27	32	43	37
S10	23	21	25	26	31	46	39
S11	35	34	35	28	36	43	35
S12	26	25	28	32	32	40	46
S13	35	34	36	27	27	49	53
S14	30	30	30	33	37	45	45
S15	36	32	32	30	36	44	43
S16	32	29	28	27	27	43	34
S17	32	30	29	31	35	43	46
S18	20	24	26	18	23	43	44
S19	27	24	27	26	30	45	44
S20	27	31	33	30	34	40	33
S21	22	24	32	26	30	44	54
Mean	**27.9**	**27.5**	**28.8**	**27.7**	**31.7**	**43.4**	**40.9**
Standard Deviation	**5.2**	**3.8**	**3.7**	**3.4**	**3.5**	**2.9**	**6.7**
Mean minus SD	**22.7**	**23.7**	**25.1**	**24.3**	**28.2**	**40.5**	**34.2**

SLC_{80} Rating	**28**		**Average total mass of device ≈ 11 g per pair**
CLASS	**5**		
Clamping Force	**N/A**	**Newtons**	

Signatory: ..... ***Dated:*** 2-JUNE-2009.
(Gordon Jarvis)

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