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TEST REPORT

SOUND ATTENUATION

OF HEARING PROTECTORS

BS EN 24869-1 : 1993

ISO 4869-1 : 1990

CLIENT:	INSPEC International Limited 56 Leslie Hough Way Salford Greater Manchester M6 6AJ
YOUR ORDER NO:	2/060707-1
TYPE OF HEARING PROTECTOR:	Ear-muff
MODEL:	EM-501
DATE RECEIVED:	07 July 2006
DATE(s) OF TESTS:	12 & 13 July 2006

Signed: .....
A.Nelson
Test Engineer

Approved: .....
D.J. M^c^Caul
Laboratory Manager

Model	EM-501
Mode tested	O-T-H
Attenuation results (values in dB)	See below
Test Reference No.	HP/06/07/03

Frequency (Hz)

Subject	Sample	63	125	250	500	1K	2K	4K	8K
N.A.	01	12	15	14	24	30	36	42	32
K.H.	01	18	19	20	28	38	39	37	40
M.A.	01	17	14	16	22	37	32	40	35
F.B	01	17	16	16	24	32	36	42	37
P.K.	02	20	20	18	24	33	38	42	36
S.H.	02	16	15	21	26	34	35	34	29
B.S.	02	18	14	16	28	36	38	40	34
C.W.	02	14	14	18	27	32	32	41	36
F.W.	03	18	15	18	31	38	42	36	39
C.N.	03	18	16	22	28	36	36	39	34
T.E.	03	24	16	20	28	30	44	42	30
D.W.	03	20	16	16	30	40	30	38	39
A.N.	04	17	15	16	24	36	36	40	34
S.W.	04	18	20	16	27	36	40	42	32
D.J.M.	04	18	16	14	22	36	36	41	34
G.T.	04	14	22	20	30	38	39	46	38
Mean Attenuation		17.4	16.4	17.6	26.4	35.1	36.8	40.1	34.9
Standard Deviation		2.8	2.4	2.4	2.8	3.0	3.7	2.9	3.2
Assumed Protection *SSV2*		14.6	14.0	15.2	23.6	32.1	33.1	37.2	31.7

Assumed Protection Value rounded to one decimal place.

APPLICATION FORCE:

The application force of each sample ear muff was measured as specified in Clause 4.6, at 145mm head width and 129mm head height. The measurements were recorded after a period of 2 minutes. The results are presented below:

Sample	Force (N)
01	11.4
02	12.4
03	11.7
04	12.8

REPLACEABLE PARTS:

1. Cushions

ATTENUATION VALUES CALCULATED FROM
UNIVERSITY OF SALFORD,
SCHOOL OF COMPUTING, SCIENCE AND ENGINEERING
REPORT NO: HP/06/15

H	=	34
M	=	26
L	=	18
SNR	=	29