

Certificate

EC Type-Examination

No. CE 538061



Issued to:

Ji Jusheng Industrial Co Ltd
No. 191-11 Yushin Road
Wugu Township
Taipei County
248
Taiwan

In respect of:

Hearing protectors:-
Ear-Muffs to EN 352-1:2002 (SE1342)
Models: JE202, JE205, JE206 and JE207
See details on pages 2 and 3.

On the basis of our examination, under the requirements of Council Directive 89/686/EEC "Personal Protective Equipment" Article 10, EC Type-Examination.

For and on behalf of the British Standards Institution, a Notified Body for the above Directive (Notified Body Number 0086):

David Ford, Director, Healthcare and Testing Services

First Issued: 26 Jan 2010

Date: 26 Jan 2010

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Product Details

(SE1342)
Models: JE202, JE205, JE206 and JE207.
Product type: Hearing protectors.
Technical Specification: EN 352-1:2002
EN 352-1 classification: Normal size range/over the head configuration.

The product assessments were based on BS EN 352-1:2002, the English language version of EN 352-1:2002, hearing protectors - Part 1: Ear-Muffs.

Major components details:

JE202: Plastics headband and plastics ear cups with foam ear pads and foam inserts.
JE205: Wire headband with plastics cover and plastics ear cups with foam ear pads and foam inserts.
JE206: Plastics headband and plastics ear cups with foam ear pads and foam inserts.
JE207: Plastics headband with wire ear cup holders and plastics ear cups with foam ear pads and foam inserts.

The ear muffs have the following attenuation ratings:

Model	SRN	H	M	L
JE202	22.77 dB	25.17 dB	19.35 dB	15.28 dB
(SE1342) JE205	28.45 dB	26.51 dB	27.65 dB	24.70 dB
JE206	23.76 dB	25.51 dB	20.54 dB	17.65 dB
JE207	22.90 dB	24.46 dB	17.94 dB	16.18 dB

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Certification Administration Details

Technical File References : JE Range - 2008

Certificate Amendment Record and internal BSI report related to this Certificate:

Issue date	Comments	BSI Report No.
26 January 2010	First issue for models JE202, JE205, JE206 and JE207. (SE1342)	0086:7213180

Certificate validity.

The Certificate holder is responsible for ensuring that the Notified Body is advised of changes to any aspect of the overall processes utilised in the manufacture of the product, failure to do so could invalidate the Certificate in respect of product manufactured following the introduction of such changes.

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Laboratory Test Report

Test Report No. JE-205 (SE1342)

Date: 1-Oct-07

ANSI S12.42 Testing – Model JE205 Earmuffs

Performed For:

Taiwan, ROC.

Prepared By: Stuart McGregor *Stuart D McGregor*

- 1.0 **Test Articles** – Ten Model JE205 Hearing Protectors. (SE1342)
- 2.0 **Applicable Specifications** – ANSI S12.42, (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 presented in Table 3.1. In accordance with 40CFR PART 211 – Product Noise Labeling, "Spectral uncertainty. Possible variation in exposure to the noise spectra in the workplace. (To avoid the under protection that would result from these variations relative to the assumed "Pink Noise" used to determine the NRR, an extra three decibel reduction is included when computing the NRR.)" The NRR rating in accordance with 40CFR211 is shown in Table 3.1.

Table 3.1: Model JE205 Earmuff NRR Calculation Worksheet

1/3 octave centerband frequency	Measured 1/3-octave Data			Exterior to Earmuff		A-weighted Sound Levels in Earmuff
	Sound levels exterior to Earmuff	Average Earmuff Attenuation	Standard Deviation of Attenuation	C-weighted Sound Levels	A-weighted Sound Levels	
125	89.2	8.9	6.3	89.0	73.1	70.4
160	89.0	9.1	3.6	88.9	75.6	70.1
200	87.0	15.4	3.2	87.0	76.1	63.9
250	87.2	26.2	3.5	87.2	78.6	55.9
315	87.6	30.7	5.7	87.6	81.0	56.0
400	86.9	35.7	7.0	86.9	82.1	53.4
500	87.5	35.6	4.8	87.5	84.3	53.4
630	91.8	38.4	4.3	91.8	89.9	55.8
800	93.1	42.0	6.1	93.1	92.3	56.3
1000	94.4	42.6	4.9	94.4	94.4	56.6
1250	94.4	44.6	4.2	94.4	95.0	54.5
1600	99.5	46.6	4.8	99.4	100.5	58.7
2000	104.4	47.1	4.8	104.2	105.6	63.4
2500	105.0	41.2	4.9	104.7	106.3	69.9
3150	101.3	38.2	4.9	100.8	102.5	69.1
4000	92.9	31.3	4.7	92.1	93.9	67.4
5000	88.5	33.8	8.3	87.2	89.0	63.5
6300	75.0	32.7	8.9	73.0	74.9	51.1
8000	69.7	38.0	13.6	66.7	68.6	44.2
Overall C Weighted Level =				109.6		
Overall A Weighted Level =				77.4		
Ear Muff NRR Value =				32		
OSHA Adjusted NRR =				29		

Laboratory Test Report

Date: 1-Oct-07

Test Report No. JE-205 (SE1342)

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Table 3.2: JE205 Ear Muff Mean Attenuation Levels

Frequency	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation	10	20	37	43	43	39	36	34	34
Standard	6.3	3.5	4.8	4.9	4.8	4.9	4.7	8.9	13.6

- 4.0 Test Result Limitations** – This test report certifies that ONLY the ten JE205 ear muffs tested have the reported OSHA adjusted NRR ratings as shown in Table 3.1, and the mean attenuation levels listed in Table 3.2. 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 JE205 ear muffs will have the same OSHA adjusted NRR or mean attenuation levels.