

## Chapter Had 4

### MEASUREMENT OF HUMAN HEARING

Had 4.01	Appropriate procedures for measurement of human hearing	Had 4.03	Equipment used to measure human hearing
Had 4.02	Ear molds	Had 4.04	Appropriate time frame for hearing tests prior to fitting

**Had 4.01 Appropriate procedures for measurement of human hearing.** The procedures accepted by the board for the measurement of human hearing by licensees and trainees comprise:

(1) Pure tone audiometry, including air conduction testing and bone conduction testing.

(2) Speech audiometry by live voice, or recorded voice, including speech reception threshold, speech discrimination testing, and most comfortable loudness measurements and measurements of tolerance thresholds.

(3) Appropriate masking when indicated.

(4) Recording and interpretation of audiograms and speech audiometry to determine proper selection and adaptation of a hearing aid.

**History:** Cr. Register, March, 1975, No. 231, eff. 4-1-75.

**Had 4.02 Ear molds.** Taking impressions for ear molds includes:

(1) Otosopic observation, pre and post impression.

(2) Proper cotton block placement.

(3) Impression material insertion.

(4) Removal of completed impression.

**History:** Cr. Register, March, 1975, No. 231, eff. 4-1-75.

**Had 4.03 Equipment used to measure human hearing.** Pure tone audiometry must be conducted with a pure tone audiometer which conforms to American National Standards Institute, Standard ANSI S3.6 1969 (R1973) approved June 19, 1969. A copy of such standard may be obtained by writing to: American National Institute, 1430 Broadway, New York, NY 10018. Copies are on file at the offices of the department of regulation and licensing, the secretary of the state and the revisor of statutes. Such audiometer shall be capable of generating a minimum of 9 discrete frequencies, ranging from 250 Hz through 8 KHz (250, 500, 1000, 1500, 2000, 3000, 4000, 6000, 8000 Hz). Output levels over the frequency range shall conform to standard ANSI S3.6 specified above. A masking source shall be either available within, or capable of being attached to, the audiometer. The masking source must have white noise or narrow band capability.

**History:** Cr. Register, March, 1975, No. 231, eff. 4-1-75.

**Had 4.04 Appropriate time frame for hearing tests prior to fitting hearing aid.** Appropriate procedures for the measurement of human hearing as defined in Had 4.01 should be performed and/or documented within 6 months prior to the selling and fitting of a hearing aid.

**History:** Cr. Register, June, 1977, No. 258, eff. 7-1-77.