

46—Safety Engineering Tables

TABLE 1910 95-A

MAXIMUM ALLOWABLE SOUND PRESSURE LEVELS FOR AUDIOMETER ROOMS

	Audiometric Test Frequency (Hz)								
	500	750	1000	1500	2000	3000	4000	6000	8000
½-Octave Band									
Center Frequency (Hz)	500	800	1000	1600	2000	3200	4000	6400	8000
Sound Pressure Level (dB)*	35	35	35	37	42	47	52	57	62
½-Octave Band									
Cut-off Frequencies (Hz)	425– 600	600– 850	850– 1200	1200– 1700	1700– 2400	2400– 3400	3400– 4800	4800– 6800	6800– 9600
Sound Pressure Level (dB)*	37	37	37	39	44	49	54	59	64
Octave Band									
Cut-off Frequency (Hz)	300– 600	600– 1200	600– 1200	1200– 2400	1200– 4800	2400– 4800	2400– 4800	4800– 10000	4800– 10000
Sound Pressure Level (dB)*	40	40	40	42	47	52	57	62	67

*dB re 0.00002 N/m²

For employees assigned to work covered by (e) (2) (i) and (ii) [Check latest regulations—Ed] (b) Within 90 days of assignment for employees newly assigned or reassigned to work covered by (e) (2) (i) and (ii) of this section. Preferably, the baseline audiogram should be taken *before* assignment.

(iv) Audiometric tests shall be pure tone, air conduction, hearing threshold examination, with test frequencies including as a minimum, 500, 1000, 2000, 3000, 4000, and 6000 Hz and shall be taken separately for the right and left ears.

(v) Each employee's annual audiogram shall be examined to determine if any significant threshold shift, either ear (higher threshold), has occurred relative to the baseline audiogram. For those employees having a baseline audiogram showing (a) Not more than 25 dB (ANS S3.6 or ISO R-389) hearing level at any test frequency, either ear, a sig-

nificant threshold shift relative to the baseline audiogram is a shift of 20 dB or more at any test frequency, either ear, and (b) Hearing levels that are in excess of 25 dB (ANS S3.6 or ISO R-389) at one or more test frequencies, either ear, a significant threshold shift, relative to the baseline audiogram is 10 dB or more at 500 Hz, 1000 Hz, or 2000 Hz, 15 dB or more at 3000 Hz, or 20 dB or more at 4000 and/or 6000 Hz, either ear.

(vi) If a threshold shift as determined in (v) of this paragraph is present, the employee shall be retested within one month. If the shift persists, then (a) Employees not having hearing protectors shall be provided such in accordance with (d) (2) of this section, (b) Employees already having hearing protectors shall be specially retrained and reinstructed in accordance with (d) (2) of this section, (c) The employee shall be notified of his (her) hearing level and provided a copy of the audio-