The purpose of this study was to determine the reliability and the validity of the newly developed Mandarin speech perception test using sentences for Mandarin spoken Chinese children between age 4:0 to 4:11, 5:0 to 5:11, and 6:0 to 6:11. Overall, 92 normal hearing participants who fulfilled the subject inclusive criteria have been chosen as thesis subjects, including 29 subjects for age group 4:0-4:11, 36 subjects for age group 5:0-5:11, and 27 subjects for age group 6:0-6:11. The study included normative data at the presentation level of 65 dB SPL, intra-tester reliability, and Performance-Intensity (PI) graphs formation at the presentation level of 50, 55, 60 and 65 dB SPL. There was no significant difference between first and second test scores (p>0.05). The graphs of Performance-Intensity (PI) for each age group were formed to measure predictive validity. Correlation coefficients between performance score and stimulus presentation level were high and significant (r=0.827 to 0.879, p<0.01) except level A for the age group of 5:0-5:11 (r=0.417) and 6:0-6:11 (r=0.460). Although the r values at level A for age group 5:0-5:11 and 6:0-6:11 were relatively lower, but the significant values for the correlation coefficients of both age groups were very high (p<0.01). As a conclusion, this study showed that the newly created speech perception test is reliable and valid to test Mandarin spoken children between age 4 to 7 years old in Malaysia.