

Customer Name: Pakan Atiye Nano Danesh  
 Customer Address: NO.78, Zaferaniye, North Naderi St, Qazvin  
 Sample Name: Sample  
 Client Reference Number: 980312

Laboratory Environmental Conditions: Temperature : Moisture: Attachments:  
 Sampling was done by the customer.

Date Of Issue: 2020/5/17  
 Order No: 1-26299  
 Revision No.: 0  
 Sample(s) Received at: 2019/12/24  
 Date of Financial Verifying: 2020/1/4  
 Testing End Date: 2020/5/16  
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## Sound Insulation Test

**Test reference:** laboratory Internal Instruction

### Test description:

In order to evaluate the insulation capability of the sample, the specimen was placed in a chamber in a position to act as an obstacle to sound transmission. In this case, the intensity of sound was measured by making sound with different intensity and frequency on one side of the sample and measuring the intensity of sound on the other side the reduction in sound intensity was measured. Finally, comparing the obtained numbers, the sound insulation status of the sample was evaluated.

### Test result:

The test results are shown in the table below. The intensity of the sound in the laboratory environment is 48.2 dB.

Table 1- Test result

Position	Frequency 100 Hz	Frequency 440 Hz	Frequency 1000 Hz	Frequency 10000 Hz
	sound intensity	sound intensity	sound intensity	sound intensity
Measurement in the presence of a sample (dB)	81.8	102.2	84.6	65.4
measurement without sample (dB)	102.3	115.3	113.7	114.7
Sound reduction level (dB)	20.5	13.1	29.1	49.3

\*Specimen thickness: 11.5 mm



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- Selected as premier research center by MIMT for 2015 to 2018
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- Selected as premier laboratory by IHTLN in 5 consecutive years

Expert  
 Isfahani

B. Jafarian  
 Technical Manager



Report will only be valid with **hologram**. RMRC has no responsibility to verify the sample's name stated by the customers. Test samples will be stored here only for **one month** after the tests.

The above-mentioned results will be valid only for the tested samples. For further information please write to the Laboratory manager. For direct contact with the CEO please call (021) 4681 5533 or send email to [y\\_jafarian@razi-center.net](mailto:y_jafarian@razi-center.net) Address: No. 8, Fernan St., HajGhasem Asghari Blvd., Shahre Ghods Entrance, 21<sup>th</sup> Km, Karaj Makhsous Rd., Tehran, Iran.

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