

Report No.  
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Tested for :

M/s. Katalist Consultants Pvt. Ltd.  
1187/25, Ghole Road  
Shivaji Nagar, PUNE - 411 005.

Their Reference No. :

K03/P110/0163 dated 17-6-95.

Description and Identification  
of Item :

'LOBEL' Earplugs (Ultra Soft)

No. of Items Tested :

10 pieces belonging to one type.

Test Specification :

IS: 6229-1988

'Method of Measurement of Hearing Protectors  
and Physical Attenuation of Earmuffs'

Major Equipments used :

1. A.F. Oscillator
2. Calibrated Attenuators
3. Power Amplifiers
4. Loudspeaker

TEST RESULTS

As requested by the party the earplugs were tested for their sound attenuation at various frequencies, as per cl. 3 of the specification, by measuring the real ear attenuation, due to the earplugs, of 10 subjects in an anechoic chamber under existing environmental conditions (Temperature : 26°C, Relative Humidity : 65%) and by using pure tone signals incident from the front.

The results were as follows :-

Frequency Hz	Sound Attenuation dB	Standard Deviation dB
63	13	+ 5
125	13	+ 4
250	21	+ 5
500	27	+ 5
1000	26	+ 6
1600	31	+ 7
2000	33	+ 11
3000	39	+ 9
4000	36	+ 8
6300	38	+ 9
8000	43	+ 11

Tested by Checked by Scientist Incharge 

Director