| Code | Description | Nominal Testing frequencies | Aperture Size | Level (For consideration only) *Depends on Mic Specification | Total Measured Points |
|---|---|---|---|---|---|
| Mic_AC | Acoustic response test using a ½" small volume coupler from a multi-frequency calibrator | 31.5 Hz to 16000 Hz, incrementing by 1/1 Oct frequencies | ¼" or ½" | 94 or 114 dB | 11 points |
| Mic_EA | Electrostatic actuator test simulating a pressure field, Outputting actuator response | 20 Hz to 20000 Hz, Incrementing by 1/3 Oct Frequencies | 1/8", ¼", ½" or 1" | 94 dB or lower. | 31 points |
| MIC_LF | Acoustic Response testing using Low Frequency large volume pressure coupler. *NATA Endorsed from 31.5Hz to 250Hz. SI Traceable down to 1Hz* | 1 Hz to 250 Hz | 1/8", ¼", ½" or 1" | 104 dB | 10 points +3 Linearity |
| MIC_FB | Acoustic Response Testing using both MIC_LF and MIC_AC *NATA Endorsed from 31.5Hz to 16kHz. SI Traceable down to 1Hz* | 1 Hz to 16 kHz | ¼" or ½" | 114 dB | 21 points +3 Linearity |
| Mic_S | Microphone open-circuit sensitivity by insert voltage method or System Sensitivity by acoustic output. *Only performed where applicable | 250 Hz or 1000 Hz | 1/8", ¼", ½" or 1" | 94 dB or 114 dB | mV/Pa dB re 1V/Pa |
| Mic_TEDS | Updating internal Microphone's Technical Electronic Data Sheet | Only on request | | | |

Additional Notes:

-Response is not corrected for Actuator/Pressure response to Free-field response in most cases. If the correction data can be supplied, it can be corrected to show this.

-With artefacts using the small volume coupler, the Pressure to Free-Field response for the microphone inbuilt within the coupler is separately verified and the correction uncertainties have not been added to the standard uncertainties estimate for the standalone microphone.

-Mic_S and Mic_TEDS may not be applicable to all services, we may reserve the right to not perform this service if but not limited to the specification of the microphone being tested.