Indian Standard

STATISTICAL METHODS OF DETERMINING AND VERIFYING STATED NOISE EMISSION VALUES OF MACHINERY AND EQUIPMENT

PART 3 SIMPLE (TRANSITION) METHOD FOR STATED VALUES FOR BATCHES OF MACHINES

1 Scope and field of application

This part of ISO 7574 is derived from ISO 7574/4. It provides guidelines for determining the labeled value, *Lc*, by the labeler and specifies a simple method for verifying compliance of the noise emissions of a batch (lot) of machinery or equipment with its labelled value, *Lc*. This method may be used when a specific noise labelling code (in accordance with clause 6 of ISO 7574/4) specifying the reference standard deviation, sample size and sampling procedure for the family of machines, does not yet exist. If a specific noise label ling code exists, it shall be used, in which case reference to this part of ISO 7574 shall not be made.

This part of ISO 7574 should preferably be used only by agreement, e.g. as reached in the standards relating to the relevant machinery industry or in a contract. This part of ISO 7574 does not deal with the consequences that ensue if the stated value is not confirmed

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2 References

ISO 3741, Acoustics — Determination of sound power levels of noise sources — Precision methods for broad-band sources in reverberation rooms.

ISO 3742, Acoustics — Determination of sound power levels of noise sources — Precision methods for discrete-frequency and narrowband sources in reverberation rooms.

ISO 3743, Acoustics — Determination of sound power levels of noise sources — Engineering methods for special reverberation test rooms.

ISO 3744, Acoustics — Determination of sound power levels of noise sources — Engineering methods for free- field conditions over a reflecting plane.

ISO 3745, Acoustics — Determination of sound power levels of noise sources — Precision methods for anechoic and semi-anechoic rooms.

ISO 3746, Acoustics — Determination of sound power levels of noise sources — Survey method.

ISO 7574/1, Acoustics — Statistical methods for determining and verifying stated noise emission values of machinery and equipment — Part 1: General considerations and definitions.

ISO 7574/4, Acoustics — Statistic/ methods for determining and verifying stated noise emission values of machinery and equipment — Part 4: Methods for stated values for batches of machines.