



BSI Standards Publication

Cleanrooms and associated controlled environments

Part 14: Assessment of suitability for use of equipment by airborne particle concentration (ISO 14644-14:2016)

National foreword

This British Standard is the UK implementation of EN ISO 14644-14:2016.

BSI, as a member of CEN, is obliged to publish EN ISO 14644-14:2016 as a British Standard. However, attention is drawn to the fact that during the development of this European Standard, the UK committee voted against its approval as a European Standard. The UK committee is of the opinion that a lack of emphasis has been placed on the importance and value of the optional "Total emission measurement method" described in informative clause B.4. In particular, this method provides important information that can be used to determine the required supply air volume in non-unidirectional airflow cleanrooms to mitigate the airborne particle load in the room. Calculated supply air volume requirements are an essential part of BS EN ISO 14644-4:2001 and the forthcoming ISO 14644-16 standard. In addition, the UK committee views that the method specified in clause 6 described as "measurement of airborne particle emissions at critical locations", should be used with caution. High levels of particle generation from some equipment can be mitigated by the use of local exhaust ventilation to prevent an adverse effect on the room class at critical control points due to migration of airborne particles.

In light of these concerns, the UK committee refers users of this standard to the paragraph at the end of clause 4 which states, "The method described in B.4 may be used to determine the average total emission of equipment and provides data that may be used to determine the particle load on a cleanroom". The UK committee advises that clause B.4 be utilised to allow the customer and supplier to select this method when it is more appropriate than the method described in clause 6. The reason for this decision should be documented when claiming conformance with BS EN ISO 14644-14:2016.

The UK participation in its preparation was entrusted to Technical Committee LBI/30, Cleanroom technology.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Amendments/corrigenda issued since publication

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