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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 16509-2008

Replacing GB/T 16509-1996

**Standard guide for estimating uncertainties in dosimetry for
radiation processing**

辐射加工剂量测量不确定度评定导则

(English Translation)

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What this standard covers

This standard specifies the ?? -rays, X-rays and electron beam radiation dose measurement device possible sources of uncertainty in requiring the use of dosimetry systems for measurement of absorbed dose uncertainty assessment procedures, also define and explains the basic concepts of measurement, evaluation of the measurement volume, " true value " error and uncertainty, uncertainty components provides the evaluation method, these components are given absorbed dose values ??reported for the standard uncertainty the degree of contribution, and gives the combined standard uncertainty of the calculation method and extensions uncertainty methods. Uncertainty components fixed value in accordance with ISO procedures, the standard deviation of precision and no longer use the traditional concept, see Appendix E Sample.

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