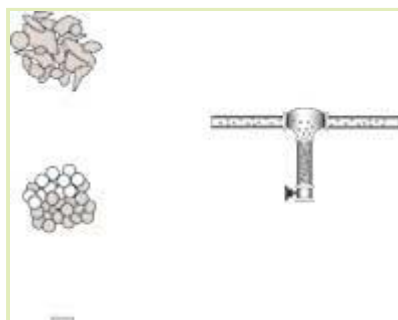


Error and Variation in Bulk Material Sampling

By **Patricia L. Smith** May 30, 2013 12:12 pm EDT



Sampling variation, in addition to analytical variation, inflates the overall variation in our measurements, making it difficult to detect process variation of interest. Sampling must be carefully performed to minimize its variation. The four main sources of sampling variation are material variation, sample identification and collection, sample handling, and process variation. These generate seven sampling errors. Characteristics of the lot material to be sampled must be understood. Material variation is the source of the constitution heterogeneity and distribution heterogeneity. ...

Source URL: <http://www.ivtnetwork.com/article/error-and-variation-bulk-material-sampling>