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Statistical aspects of sampling from bulk materials —

Part 1: General principles

*Aspects statistiques de l'échantillonnage des matériaux en vrac —
Partie 1: Principes généraux*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 11648-1 was prepared by Technical Committee ISO/TC 69, *Applications of statistical methods*.

ISO 11648 consists of the following parts, under the general title *Statistical aspects of sampling from bulk materials*:

- *Part 1: General principles*
- *Part 2: Sampling of particulate materials*

It is the intention of ISO/TC 69/SC 3 to develop additional parts under this general title for the sampling of liquids and gases, if the need exists.

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Introduction

This first part of ISO 11648 gives a broad outline of the statistical aspects of sampling from bulk material.

International Standards dealing with the methods for sampling for bulk materials, such as solid fuels, iron ores, etc., have already been published and some of these are being revised by the responsible technical committees. This International Standard provides a source of information for technical terms and sampling techniques for types of bulk materials for which International Standards on sampling have not yet been written. This International Standard may also act as a bridge for mutual understanding of terms and methods between Technical Committees.