
**Representation of results of particle
size analysis —**

Part 4:
**Characterization of a classification
process**

**AMENDMENT 1: Additional explanations
and minor corrections**

Représentation de données obtenues par analyse granulométrique —

Partie 4: Caractérisation d'un processus de triage

AMENDEMENT 1: Explications supplémentaires et corrections mineures



iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 9276-4:2001/Amd 1:2017](https://standards.iteh.ai/catalog/standards/sist/e894f6b8-5988-4f15-bd49-00430591b42a/iso-9276-4-2001-amd-1-2017)
<https://standards.iteh.ai/catalog/standards/sist/e894f6b8-5988-4f15-bd49-00430591b42a/iso-9276-4-2001-amd-1-2017>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2017, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 24, *Particle characterization including sieving*, Subcommittee SC 4, *Particle characterization*.

A list of all parts in the ISO 9276 series can be found on the ISO website.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 9276-4:2001/Amd 1:2017](https://standards.iteh.ai/catalog/standards/sist/e894f6b8-5988-4f15-bd49-00430591b42a/iso-9276-4-2001-amd-1-2017)

<https://standards.iteh.ai/catalog/standards/sist/e894f6b8-5988-4f15-bd49-00430591b42a/iso-9276-4-2001-amd-1-2017>

Representation of results of particle size analysis —

Part 4:

Characterization of a classification process

AMENDMENT 1: Additional explanations and minor corrections

Whole document

Replace “density distribution” with “distribution density”.

2.1 Symbols for specific terms, Table 1

Add “, Partial classification efficiency” after “Grade efficiency” in the Term column for the symbol T .

In the last line, replace the symbol ϕ with φ .

iTeH STANDARD PREVIEW
(standards.iteh.ai)

3.2.1 Mass and number balance in the size range from x_{\min} to x_{\max}

Add the following paragraph above the last paragraph:

The relative amounts are mass ratios $v_{3,f} = m_f/m_s$, $v_{3,c} = m_c/m_s$ or number ratios $v_{0,f} = n_f/n_s$, $v_{0,c} = n_c/n_s$.

3.3.2 The equiprobable cut size, x_e , the median of the grade efficiency curve

In the last sentence of the first paragraph, delete the word “weighed” before the word “feed”.

3.5.3 Parameters derived from cumulative distribution curves

In the first sentence of the first paragraph, replace $Q_{r,0}(x)$ with $Q_{r,s}(x)$.

A.1 General

In the first sentence of the first paragraph, replace “clause 4” with “Clause 3”.

In the fourth paragraph, add “by Herrmann and Leschonski[5]” before “in Figure A.1”.

A.3 The evaluation of the grade efficiency curve, $T(x)$, from erroneous cumulative size distribution

In Formulae A.11 and A.12, replace the minus (-) sign with a plus (+) sign.

Replace formula number (13) with (A.13).

Bibliography

Replace Reference [2] with the following and delete the footnote:

[2] ISO 9276-2:2014, *Representation of results of particle size analysis — Part 2: Calculation of average particle sizes/diameters and moments from particle size distributions*

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 9276-4:2001/Amd 1:2017](https://standards.iteh.ai/catalog/standards/sist/e894f6b8-5988-4f15-bd49-00430591b42a/iso-9276-4-2001-amd-1-2017)
<https://standards.iteh.ai/catalog/standards/sist/e894f6b8-5988-4f15-bd49-00430591b42a/iso-9276-4-2001-amd-1-2017>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 9276-4:2001/Amd 1:2017](https://standards.iteh.ai/catalog/standards/sist/e894f6b8-5988-4f15-bd49-00430591b42a/iso-9276-4-2001-amd-1-2017)

<https://standards.iteh.ai/catalog/standards/sist/e894f6b8-5988-4f15-bd49-00430591b42a/iso-9276-4-2001-amd-1-2017>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 9276-4:2001/Amd 1:2017](https://standards.iteh.ai/catalog/standards/sist/e894f6b8-5988-4f15-bd49-00430591b42a/iso-9276-4-2001-amd-1-2017)
<https://standards.iteh.ai/catalog/standards/sist/e894f6b8-5988-4f15-bd49-00430591b42a/iso-9276-4-2001-amd-1-2017>