

საქართველოს სტანდარტი

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სასუქები და გაკირიანების მასალები - ნიმუშის აღება და ნიმუშის მომზადება -
ნაწილი 1: ნიმუშის აღება

სსტ ისო 14820-1:2016/2025

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1 მიღებულია და დაშვებულია სამოქმედოდ: სსიპ-საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტოს გენერალური დირექტორის 06/03/2025 წლის № 17 განკარგულებით

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**Fertilizers and liming materials —
Sampling and sample preparation —**

**Part 1:
Sampling**

*Engrais et amendements minéraux basiques — Échantillonnage et
préparation de l'échantillon —*

Partie 1: Échantillonnage





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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.

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 meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

ISO 14820-1:2016 was prepared by CEN/TC 260, *Fertilizers and liming materials* (as EN 1482-1:2007) and was adopted without modification other than those stipulated below by ISO/TC 134, *Fertilizers and soil conditioners*.

- The EN references (EN 1482-1 and EN 1482-2) have been changed to ISO references (ISO 14820-1 and ISO 14820-2).
- The definitions in [3.1](#), [3.4](#) and [3.5](#) have been modified slightly to align them with those in ISO 8157:2015. ISO 8157 has been added to the Bibliography.
- For consistency, “rotating sample divider” has been changed to “rotary sample divider” throughout the text. (The term “rotary” was already used in Annexes A and C in EN 1482-1:2007 and in 5.1 in EN 1482-2:2007.)
- In [4.2.2](#), [5.3.1](#), [5.6.1](#), [5.6.4.3.5](#), [5.7](#), [5.11.2.1](#) and [A.3](#), notes have been changed to full text.
- In [5.2.3](#), [5.4.2](#), [5.6.3](#) and [5.7.2](#), the apparatus are now listed under separate subclause numbers.
- ISO 2602 has been moved from [Clause 2](#) to the Bibliography; it is only cited after “such as” in [A.5.1](#).

ISO 14820 consists of the following parts, under the general title *Fertilizers and liming materials* — *Sampling and sample preparation*:

- *Part 1: Sampling*
- *Part 2: Sample preparation*

Introduction

This part of ISO 14820 covers the following aspects of sampling, derived from the International Standards and documents indicated below but presented in a simplified and condensed form. The titles of these International Standards are given in the Bibliography.

- Sampling plans and quantitative data: ISO 8634, ISO/TR 5307, ISO/TR 7553 and EEC 77/535 (superseded by Regulation (EC) No 2003/2003).
- Sampling methods: ISO 3963, and EEC 77/535 (superseded by Regulation (EC) No 2003/2003).
- Reduction: ISO 7410, ISO 7742, ISO 8358 and EEC 77/535 (superseded by Regulation (EC) No 2003/2003).
- Sampling reports: ISO 5306 and EEC 77/535 (superseded by Regulation (EC) No 2003/2003).

ISO 14820-2 covers the reduction and preparation of samples for analysis.

[Figure 1](#) gives a schematic diagram of the sampling and sample preparation process for solids.

The fundamental principle of representative sampling is that every particle has an equal chance of being selected or rejected. This principle cannot easily be complied with in the case of bulk heaps of solid fertilizers or large storage tanks of fluid fertilizers as the majority of the material cannot be reached by any sampling device. The fertilizer in these cases should be sampled during transfer, during the building up of the heap, during the filling of the storage tank, during dispatch or where it is being moved solely for sampling purposes.

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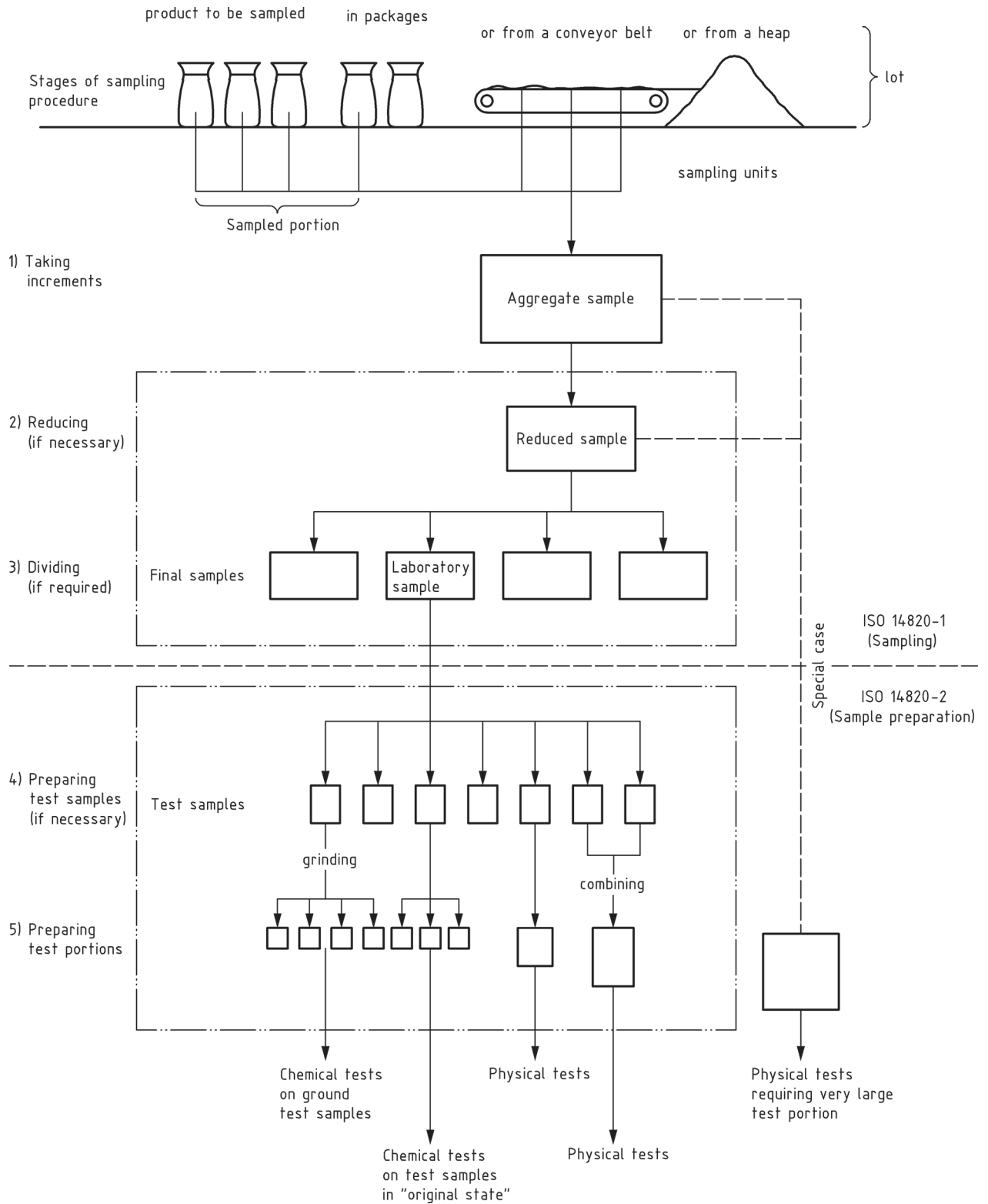


Figure 1 — Schematic diagram of sampling process for solids

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