

CODEX ALIMENTARIUS COMMISSION



Food and Agriculture
Organization of the
United Nations



World Health
Organization

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JOINT FAO/WHO FOOD STANDARDS PROGRAMME CODEX COMMITTEE ON METHODS OF ANALYSIS AND SAMPLING

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UPDATE ON REVISION OF ICC RECOMMENDATION N. 207 “DETERMINATION OF THE PARTICLE SIZE OF MILLING PRODUCTS USING SIEVE ANALYSIS” FOR USE ON EDIBLE CASSAVA FLOUR AND GARI

(Prepared by the International Association for Cereal Science and Technology (ICC))

CCMAS43 endorsed the ICC Recommendation N. 207 “Determination of the Particle Size of Milling Products using Sieve Analysis” for use on Edible Cassava Flour and Gari, subject to revising the provision if the appropriate sieving sizes are not included in the method (Report of CCMAS43, §22).

The reservation of CCMAS43 on this provision was based on the following:

1. The *Standard for edible cassava flour* (CXS 176-1989) indicates that the flour shall pass through a 0.60 mm sieve for fine flour and through a 1.25 mm sieve for coarse flour.
2. The *Standard for Gari* (CXS 151-1985) involves the grading extra-fine, fine, medium and coarse. The grading is based on sieve sizes of 0.25 mm, 0.50 mm, 1 mm, 1.25 mm and 2 mm.
3. The sieve sizes to be used in the ICC Recommendation N. 207, which was originally developed for cereals, are: 90, 125, 180, 250, 355, 500, 630, 710, 1000, 1400, 2000 microns.
4. ICC Recommendation N. 207 is only partly suitable for use on Edible Cassava Flour and Gari, because sieve sizes of 600 and 1200 microns are missing for Edible Cassava Flour, and sieve size of 1250 microns is missing for Gari.

After CCMAS43, revision of the Recommendation N. 207 was undertaken by ICC with the aim to extend its use also on Edible Cassava Flour and Gari.

At first stage, the Recommendation was revised by a working group that studied the feasibility of extending its use and proposed the necessary amendments to the text (December 2024 - January 2025).

At second stage, the proposal was reviewed by the ICC Technical Committee, who approved it without modifications (April 2025). **This is the current stage of the revision.**

The third stage is the final approval by the ICC General Assembly, followed by publication in the ICC Method Collection (by December 2025).

The revised text of the Recommendation ICC 207 contains the following specific amendments:

1. in paragraph 2. ‘Scope of the method’, a sentence specifying that the method is applicable also to starchy flours of other origin than cereals was added.
2. in paragraph 6. ‘Apparatus’, the three missing sieves (600, 1200 and 1250 microns) were added to the recommended list of sieves, each one with a footnote mentioning its use with Edible Cassava Flour or Gari:

¹ Sieves with mesh aperture of 600 and 1200 µm are intended for Edible Cassava Flour (Codex Standard CXS 176-1989)

² Sieve with mesh aperture of 1250 µm is intended for Gari (Codex Standard CXS 151-1985)

No further amendments were judged necessary. Edible Cassava Flour and Gari are sampled as cereal products in all methods endorsed in the *Recommended methods of analysis and sampling* (CXS 234-1999) for them. ICC Recommendations aim to provide good practice and don't contain fidelity data.

ICC believes that, with these amendments, the Recommendation 207 is **fit for purpose** for determining particle size in Edible Cassava Flour and Gari.

ICC will inform the CCMAS through the Codex Secretariat as soon as the revision will be approved by the ICC General Assembly and the updated Recommendation will be published.

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