

هيئة التقييس لدول مجلس التعاون لدول الخليج العربية GCC STANDARDIZATION ORGANIZATION (GSO)

مشروع مواصفة نهائي
Final Draft of Standard FDS

إعداد اللجنة الفنية الخليجية رقم TC05

Prepared by GSO Technical Committee No. TC05

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بعض البقوليات
Certain Pulses

ICS: 67.060

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هذه الوثيقة مشروع لمواصفة قياسية/لائحة فنية خليجية تم توزيعها لإبداء الملحوظات بشأنها، لذلك فإنها عرضة للتغيير والتبديل، ولا يجوز الرجوع إليها كمواصفة قياسية/لائحة فنية خليجية إلا بعد اعتمادها من الهيئة.

تقديم

هيئة التقييس لدول مجلس التعاون لدول الخليج العربية هيئة إقليمية تضم في عضويتها أجهزة التقييس الوطنية في الدول الأعضاء، ومن مهام الهيئة إعداد المواصفات القياسية واللوائح الفنية الخليجية بواسطة لجان فنية متخصصة.

قرر مجلس إدارة هيئة التقييس لدول مجلس التعاون لدول الخليج العربية في اجتماعه رقم () الذي عقد بتاريخ // هـ ، الموافق // م اعتماد تحديث اللائحة الفنية الخليجية رقم (GSO 837 : 2008) " بعض البقولات " باللغة (العربية / الإنجليزية) التي تم دراستها ضمن برنامج عمل "اللجنة الفنية الخليجية للمواصفات الغذائية والزراعية رقم TC05" المدرجة في خطة دولة الكويت. ويعتبر النص (الانجليزي) هو المرجع الأساسي في حال وجود اختلاف بين النصين. على ان تلغى اللائحة الفنية رقم (GSO CAC 837/2008) وتحل محلها.

Certain Pulses

1. SCOPE

This Gulf standard is concerned with certain pulses limited in item (3) either whole, shelled or split which are intended for human consumption, and not apply to pulses intended for factory grading packing, industrial processing, or to those pulses intended for use in the feeding of animals/s or for fragmented pulses when sold as such or to the other pulses for which separate standard may be elaborated.

2. Complementary standards:

- 2.1 GSO 9 "Labeling of Prepackaged Food stuffs."
- 2.2 GSO 21 "Hygienic Regulations for Food Plants & Their Personnel".
- 2.3 GSO 22 "Methods of test for coloring matter used in foodstuffs".
- 2.4 GSO 168 "Requirements of storage facilities for dry and canned food stuffs".
- 2.5 GSO ISO 542 "Oil seeds – sampling ".
- 2.6 GSO 2567 "Maximum limits of pesticide residues in agricultural and food products".
- 2.7 GSO 839 "Food packages – part 1: General requirements".
- 2.8 GSO 841 "Maximum limit of mycotoxins permitted in food and animal feeds – Aflatoxine".
- 2.9 GSO 988 "Limits of radioactivity levels permitted in foods stuffs – Part 1"
- 2.10 GSO 1016 "Microbiological criteria for food stuffs ".
- 2.11 GSO 150 "Expiration period for food products – part 2".
- 2.12 GSO 1323 "Cereal and pulses – Determination of hidden insect infestation – part 3 – Reference method".
- 2.13 GSO 1395 "Methods of test for dry pulses".

3. Definitions:**3.1 Dry pulses:**

Dry seeds of leguminous plants which are distinguished by their low content, the pulses covered by this standard are:

- Beans of *Phaseolus* spp. (except *Phaseolus mungo* L., *Vigna mungo* (L.) Hepper and *Phaseolus aureus* Roxb. syn. *Phaseolus reditor* L., *Vigna radiata* (L.) Wilczek).
- Lentil of *Lens culinaris* Medic, syn. *Lens esculenta* Moench.
- Chick peas of *Cicer arietinum* L.
- Peas of *Pisum sativum* L.
- Field beans of *Vicia faba* L.
- Cow peas of *Vigna unguiculata* (L.) Walp, syn. *Vigna sesquipedalis* Fruhw, *Vigna sinensis* (L.) Savi exd Hassk.

3.2 Broken seeds:

3.2.1 Broken in whole pulses: Pulses in which the cotyledons are separated or one cotyledon has been broken.

3.2.2 Broken in split pulses: Pulses in which the cotyledons have been broken

3.3 Pulses seeds with slight defect:

Seeds which have not reached normal development, or with extensive impurities on the coat, or with clear stain on the coat without the cotyledon being affected, or when the seeds coat is wrinkled with pronounced folding or broken pulses.

3.4 Pulses seeds with serious defects:

Pulses seeds in which the cotyledons have been affected or attached by pests, or seeds with very slight traces of mould or decay or slight cotyledon staining.

3.5 Foreign matter:

Mineral or organic material (dust, twinges, seed coats, seeds of other species, dead insects, fragments, or remain of insect's other impurities of animal origin).

4. Style:

Pulses are presented in one of the two style:

- 4.1 Shelled pulses, with the cotyledons not separated.
- 4.2 Shelled pulses, with the two cotyledons separated one from the other.

5. Requirements:

Dry pulses mentioned in item (3.1) must meet the following requirements:

- 5.1 It shall be prepared according the requirements mentioned in Gulf standard stated in item (2.2).
- 5.2 It shall be free from any abnormal taste or smell.
- 5.3 It shall be free from any coloring matter.
- 5.4 Moisture content shall not exceed 15% except chickpeas shall not exceed 14%.
- 5.5 Pulses sold without seeds coat, the maximum moisture content shall be 2% lower in each case.
- 5.6 Extraneous matter shall not exceed 1% of which not more than 0.25% shall be mineral matter and not more than 0.10% shall be insects, fragments or remains of insects, and/or other impurities of animal origin.
- 5.7 Seeds with serious defects shall not exceed 1.0%.
- 5.8 Seeds with slight defects shall not exceed 7.0% of which broken seeds must not exceed 3.0%.
- 5.9 Seeds of similar color but a different commercial type (except in beans with seeds) shall not exceed 3.0%, the seeds of different color (other than discolored seeds) shall not exceed 6.0%, and the discolored seeds of the same

commercial type shall not exceed 10.0%, and the beans with green seed and peas with green seeds with slight discolored shall not exceed 20%.

- 5.10 The product shall be free from the following toxic or noxious seeds in amount which may represent a hazard to human health:
Crotolaria (Crotolaria spp.), Corn cockle (Agrostemma githago L.),
Castor bean (Ricinus communis L.) Jimson weed (Datura spp).
- 5.11 Pesticide residues in the product shall not exceed for the maximum permissible levels in Gulf standards mentioned in item (2.6).
- 5.12 The product shall be free from live insects or their stages.
- 5.13 Microbiological requirements of the product shall be complying to what has been mentioned in Gulf standard stated in item (2.10).
- 5.14 The radiation levels shall not exceed the limits specified in the Gulf standard mentioned in item (2.9).

6 CONTAMINANTS:

6.1 Heavy metals

Pulses shall be free from heavy metals in amounts which may represent a hazard to health.

6.2 Pesticide residues

The product covered by this standard shall comply with the maximum limits of pesticide residues mentioned in item no (2.6).

6.3 Mycotoxins

The product covered by this standard shall comply with the maximum mycotoxins limits mentioned in item no (2.8).

7 HYGIENE:

- 7.1 The product covered by this standard shall comply with the hygienic regulations mentioned in item no (2.2).
- 7.2 To the extent possible in good manufacturing practice, the products shall be free from objectionable matter.
- 7.3 When tested by appropriate methods of sampling and examination, the products:
- 7.3.1 shall be free from micro-organisms in amounts which may represent a hazard to health;
 - 7.3.2 shall be free from parasites which may represent a hazard to health; and
 - 7.3.3 shall not contain any substance originating from micro – organisms in amounts which may represent a hazard to health.

8. Packaging, transportation and storage:**8.1 Packaging:**

Pulses shall be packed in containers which will sounds, safeguard, clean, not hazardous to human health, not used before and not lead to contaminant of the product, the packaging shall be complying to what has been mentioned in Gulf standard stated in item (2.7).

8.2 Transportation:

Product containers shall be transported in such a way as to protect them from damage and contamination.

8.3 Storage:

The product shall be stored in stores with good ventilation and away from direct sunlight, the stores shall be complying to what has been mentioned in Gulf standard stated in item (2.4).

9. Labelling:

In addition to the provisions of the general standard for the labelling mentioned in (2.1), the following specific provisions apply:

- 9.1 Years of harvest (month – year).
- 9.2 Product name.
- 9.3 Country of origin.

10. Sampling:

Sample shall be taken according to Gulf standard mentioned in item (2.5).

11. Methods of test:

Tests shall be carried out on the representative samples taken according item (8), according to the Gulf standard mentioned in item (2.13).