

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

Final draft

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سكر النبات
Lump sugar

Prepared by :
Gulf technical committee for standards of food and agriculture products

This document is a draft Gulf standard circulated for comments, it is therefore, subject to change, and may not be referred to it as a Gulf standard, until approved by the board of directors

ICS : 67.080

Foreword

GCC Standardization Organization (GSO) is a regional Organization which consists of the National Standards Bodies of GCC member States. One of GSO main functions is to issue Gulf Standards /Technical regulations through specialized technical committees (TCs).

GSO through the technical program of committee TC No (5) " Technical committee for standards of food and agriculture products" Lump sugar “ the draft standard has been prepared by the state of Qatar. The draft standard has been prepared based on relevant ADMO, International and national foreign standards and references.

This Technical regulation has been approved by GSO Board of Directors in its meeting No.(), held on / / (/ /).

Lump sugar

1. SCOPE

This standard is concerned with the basic requirements that must be met in the lump sugar.

2. COMPLEMENTARY REFERENCES

- 2.1 GSO 9 “ Labelling of Prepackaged Foods”.
- 2.2 GSO 20 “ Methods for the determination of contaminating metallic elements in foodstuffs ”.
- 2.3 GSO 21 “ Hygienic Regulations for Food Plants and Their Personnel ”.
- 2.4 GSO 134 “Methods of test for sugars- Physical and chemical methods”.
- 2.5 GSO 150- 2 “ Expiration dates for food products – Part 2 : Voluntary expiration dates ”.
- 2.6 GSO 168 “ Requirements of Storage Facilities for Dry and Canned Foodstuff ”.
- 2.7 GSO 329 “ Flavorings Permitted for Use in Foodstuff ”.
- 2.8 GSO 356 “ Preservatives permitted for use in food products “.
- 2.9 GSO 382 “ Maximum limits for pesticide residues in agricultural food products part1 ”.
- 2.10 GSO 383 “ Maximum limits for pesticide residues in agricultural food products part2 ”.
- 2.11 GSO 839 “ General Regulations for Food Containers ”.
- 2.12 GSO 9^8 “ Limits of radionativity levels permitted in foods stuff part - 1 ”.
- 2.13 GSO 1863 “ Food packages - Part 2: Plastic package - General requirements ”.

3. DEFINITIONS

3.1 Lump sugar :

Is a big crystals of sparkling white sugar that produced from cooling over saturated sugar solution and high-purity crystals. Some healthy permitted food colors, flavorings and orders may be added.

4. REQUIREMENTS

- 4.1 The product shall be free from impurities.
- 4.2 The product shall be crystalline (Diamond Figure).
- 4.3 The product shall be sparkling white or sparkling color according to the added color.
- 4.4 Sucrose content shall not be less than 99.9%.

- 4.5 Humidity shall not be exceed than 0.05%.
- 4.6 Ash content shall not be exceed than 0.02%.
- 4.7 Preservatives are permitted to be added according to the Gulf standard mentioned in item (2.8) .
- 4.8 Contaminating metallic elements shall not be more than the following :
- Arsenic 1 PPM
 - Lead 0.05 PPM
 - Copper 2 PPM
- 4.9 The product shall be free from pathogenic microorganisms.
- 4.10 The limits of pesticides residue shall not exceed the limits given in Gulf standards mentioned in Items (2.7) ,(2.8).
- 4.11 The product shall be processed according to the conditions given in the Gulf standard mentioned in Item (2.3).
- 4.12 The limits of radionativity shall not exceed the limits given in Gulf standard mentioned in Item (2.12).

5- SAMPLING:

Samples shall be carried out according to GSO standard mentioned in Item (2. 5).

6- METHOD OF TESTS:

- 6.1 Tests shall be carried out according to GSO standards which are mentioned in (2.2) , (2.4).

7- PACKAGING, TRANSPORTATION AND STORAGE:**7.1 Packaging:**

- 7.1.1 Without prejudice to provisions of GSO Standard mentioned in Items (2.10) , (2.11).
- 7.1.2 The product shall be packed in package impermeable to moisture, and shall maintain the properties of the packaged material and protect it from gaining undesirable odors, flavors and taste.

7.2 Transportation:

Packages shall be transported in such a way as to protect the contents of product from any change, damage, deterioration and contamination.

7.3 Storage:

- 7.3.1 Packages shall be stored in stores complied with the requirement in GSO Standard mentioned in item 2.9.

- 7.3.2 The product shall be stored in a clean dry place, good ventilation and away from direct sunlight.
- 7.3.3 The product shall be stored in a place away from the sources of pollution with pesticides and chemicals, insects and rodents

8- LABELING:

Without prejudice to provisions of GSO Standard mentioned in Item (2.1) and Item (2.6) and shall be declared on the label of the product.

- 8.1 Name, address and trademark of the product, if any
- 8.2 Name and address of the packer and trademark.
- 8.3 Product name.
- 8.4 Date of production - expiry date or validity period.

Main Reference :

Egyptian standards

No. 6725 /2008

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