

GCC STANDARDIZATION ORGANIZATION (GSO)

Final Project

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Vegetables, fruits & derived products – Grape syrup (debis)

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 as a Gulf standard until approved by the board of directors.

ICS:67.080.10

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" has prepared this Standard. The Draft Standard has been prepared by United Arab Emirates.

The draft Standard has been prepared based on relevant AIDMO, International and National foreign Standards and references.

This standard has been approved as a Gulf Technical Regulation by GSO Board of Directors in its meeting No.(), held on / / H, / / G.

Fruits and Vegetable Products – Grape Syrup

1. Scope and coverage

This standard specification is a description of the general requirements that should be available in the grape syrup for direct human consumption and the requirements, conditions of packaging, transferring, storing, sampling, method testing and labelling.

2. Supplementary references

1.2 GSO 9: The filled nutritious product cards

2.2 GSO 21: The health regulatory conditions in the foodstuff factories and their employees

3.2 GSO 1694: General rules for food hygiene

2.4 GSO/CAC 193: General standard for toxins and contaminants

2.5 GSO 150: Expiration dates for food products

2.6 GSO 839: Food packages – Part 1: General requirements

2.7 GSO 168: Requirements of storage facilities for dry and canned food stuffs

2.8 GSO 1016: Microbiological criteria for food stuffs – Part 1

2.9 GSO 988: Limits of radioactivity levels permitted in food stuffs – Part 1

2.10 GSO 382: Maximum limits for pesticide residues in agricultural food products -Parts 1

2.11 GSO 383: Maximum limits for pesticide residues in agricultural food products – Part 2

2.12 GSO 20: Determination methods of mineral components of contaminated food

2.13 GSO 122: Methods of test for honey

2.14 GSO 464: Grapes

2.15 GSO 1034: Raisins

2.16 GSO 147: Honey

3. Definitions

3.1 Grape Syrup

A thick liquid made from fresh grape juice or raisins, as a result of heat treatment.

3.2 Foreign substances

Any other substance that does not originate from the product.

4. Classification

Grape syrup is classified by taste:

4.1 Sweet grape syrup

4.2 Sour grape syrup

5. General requirements

The following requirements shall be met by grape syrup:

- 5.1 All the grapes used in production shall comply with the relevant GSO standards in item (14.2).
- 5.2 All the raisins used in production shall comply with the relevant GSO standards in item (15.2).
- 5.3 It shall be naturally clean in its characteristics, such as appearance, colour, texture and smell.
- 5.4 It shall be an amorphous and sticky liquid that is homogeneous in texture and colour.
- 5.5 It shall be free from any abnormal material and blemished units.
- 5.6 It shall be free from any insects or their parts.
- 5.7 It shall be free from any food additives such as colours, preservatives, natural sugar or artificial sweeteners.
- 5.8 It shall be free from any fermentation and alcohol.
- 5.9 Materials used in the manufacturing must meet the Gulf Standard Specifications relating to items (2.2) and item (3.2).
- 5.10 The Content of the total soluble solids should not exceed 85 Brix, equal to 20 degrees.
- 5.11 The hydrogen values are as follows:
 - 5.11.1 Sweet syrup, minimum 5.5.
 - 5.11.2 Sour syrup, maximum 5.5.
- 5.12 Total ash shall not exceed 2.5% based on dry material.
- 5.13 Hydroxyl methyl furfural shall not exceed 55 ml/Kg.
- 5.14 It shall be free from date syrup or any other material that are not grapes or raisins.
- 5.15 The microbiological criteria shall meet the limits stipulated in the GSO standard mentioned in item (8.2).
- 5.16 The toxic metallic elements shall be determined according to the Gulf standard mentioned in item (4.2).
- 5.17 The limits of radiation levels in the product shall not exceed the permitted maximum levels stated in the GSO.
- 5.18 The limits of pesticide levels in the product shall not exceed the permitted maximum levels stated in the GSO standards mentioned in item (10.2) and item (11.2).
- 5.19 The moisture content shall not exceed 3.5%.

6. Packaging, transferring and storage

- 6.1 The containers shall be suitable, clean and tightly-sealed to prevent any external contamination, and shall comply with the GSO standards mentioned in item (6.2).
- 6.2 The product shall be stored under suitable conditions in well-ventilated stores far from moisture, sunlight, or sources of contamination and odours, in accordance with the GSO standards mentioned in item (7.2).
- 6.3 The product shall be transported in such a way as to protect it from mechanical damage, contamination and direct sunlight.

7. Sampling

Samples shall be taken according to the Gulf standard mentioned in item (16.2)

8. Test methods

8.1 Total sugar

Determination shall be carried out according to the Gulf standard mentioned in item (13.2).

8.2 Moisture

Determination shall be carried out according to the Gulf standard mentioned in item (13.2).

8.3 Contaminated metal components

Determination shall be carried out according to the Gulf standard mentioned in item (13.2).

8.4 Soluble solids

Determination shall be carried out according to the Gulf standard mentioned in item (13.2).

9. Labelling

Without prejudice to what has been stated in the GSO standards mentioned in item (1.2), the following shall be labelled on grape syrup packages:

9.1 The product name is (Grape Syrup) or (raisin syrup).

9.2 The date of manufacture and expiry date shall be in accordance with the GSO standards mentioned in item (5.2).

9.3 The concentration of solids should be shown as a percentage.

References:

Syrian standards 1990-869: grape syrup

Jordanian standards 2005-544: Vegetables, fruits & derived products – Grape syrup

Technical Terms

Grape syrup

Date

Net Weight

Pesticides residues

Food additives

Hermetically sealed

Raisin

Grape

Moisture

Total soluble solids

Hydroxyl methyl furfural