

**PRODUCT SPECIFICATION SHEET**  
**DEXTROSE MONOHYDRATE F**

**Definition**

**Product identifier**

**Product name:** DEXTROSE MONOHYDRATE F

**Specifications**

**Description (characters)**

Dextrose monohydrate.  
Purified and crystallized D-glucose, containing one molecule of water of crystallization.

<b>Aspect</b>	Crystalline powder
<b>Colour</b>	White
<b>Odour</b>	Odourless
<b>Taste</b>	Sweet

**Physical and chemical values (tests)**

<b>Loss on drying</b>	9,1 %(w/w) max.
<b>Specific optical rotation</b>	52,6 - 53,2 deg
<b>Dextrose equivalent</b>	99,5 - 100,5 %(w/w)
<b>Residue on ignition</b>	0,1 %(w/w) max.
<b>SO<sub>2</sub></b>	10 mg/kg max.
<b>Soluble starch</b>	Complies
<b>Chlorides</b>	180 mg/kg max.
<b>Arsenic</b>	1 mg/kg max.
<b>Lead</b>	0,1 mg/kg max.
<b>Sieve grain size fraction</b>	
- Residue on 315 µm	7 % max.
- Residue on 250 µm	25 % max.
- Residue on 100 µm	10 % min.

**Microbiological values**

<b>Total aerobic microbial count</b>	1 000 /g max.
<b>Total yeasts count</b>	10 /g max.
<b>Total moulds count</b>	10 /g max.
<b>Escherichia coli</b>	Not detected in 1g
<b>Salmonella</b>	Not detected in 25g

## **Additional data**

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### **Comments**

Due to its fine particle size, this product is liable to become compacted.

## **Conformity**

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### **Legislation / specific regulations**

Meets the requirements of the current monograph of:

- Food Chemical Codex : DEXTROSE MONOHYDRATE

Complies with:

- US code of Federal Regulations 21 CFR § 168.111 DEXTROSE MONOHYDRATE

- E.U. Council Directive 2001/111/EC relating to certain sugars intended for human consumption

- CODEX STAN 212 -1999 Codex standard for sugars

## **Storage**

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<b>Storage conditions</b>	The product durability may vary according to packaging type and manufacturing plant. Proper information is shown on labelling and CoA.
<b>Storage conditions for BULK material</b>	ROQUETTE's liability is limited to reception of the product at the customer's site. The minimum durability of the bulk product depends on the customer's unloading and storage conditions. Store in a closed and integral silo / tank.
<b>Storage conditions for PACK material</b>	We recommend to preserve the product in its unopened original packaging, preferably protected from wide variations in temperature and humidity. Upon opening, use the product as quickly as possible to prevent moisture regain.
<b>Expiry date of the packed product</b>	Manufacturing date + 5 years, in its unopened packaging.
<b>Best before date of the packed product</b>	Manufacturing date + 12 months, in its unopened packaging.

## ***Disclaimer***

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The information provided in this Product Specification Sheet relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. Analytical criteria are tested either on each batch or monitored or guaranteed, based on the Product Risk Analysis. For each batch, the status of the analysis may be indicated in the Certificate of Analysis. All information and instructions provided in this Product Specification Sheet are based on the current state of our knowledge at the latest revision date indicated. It is the responsibility of the user to be aware of and to follow the regulations applying to our product for its possession, handling and use.

Note: All the dates are formatted like YYYY/MM/DD.