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## Technical Data Sheet

**Product:** TapiOK® Tapioca Syrup RS 18  
**Product code:** 77665, 77666, 77667  
**Country of Manufacture:** Vietnam

**ORGANIC CERTIFICATION:** No  
**KOSHER CERTIFICATION:** Yes  
**FAIR TRADE CERTIFICATION:** No  
**NON-GMO PROJECT VERIFIED:** Yes

### QUALITY PARAMETERS

This product is produced and processed under hygienic conditions. Product is not irradiated, treated with sewer sludge, or produced with genetically modified materials.

### PROCESS DESCRIPTION

Tapioca Syrup is produced by mixing tapioca (*Manihot esculenta*) starch with water, heating and treating with non-GMO enzymes to hydrolyze the starch into sugars. The sugar solution is filtered, then concentrated in an evaporator to standardize it to the proper solids range.

### ITEM CODES

77665: Tapioca Syrup RS 18 in pails  
77666: Tapioca Syrup RS 18 in drums  
77667: Tapioca Syrup RS 18 in totes

### INGREDIENTS

Tapioca Starch, water

### PHYSICAL PROPERTIES

Aroma No off odors and no fermentation odors  
Color Almost colorless to pale yellow  
Flavor Sweet, neutral  
Appearance Clear

### ANALYTICAL PROPERTIES

Soluble solids/Brix (%)	79 – 82
pH (10% soluble solids solution)	4.0– 5.5
Dextrose Equivalent	35 – 45
Sugar profile	% of total solids
Glucose (%)	≤6
Maltose (%)	13 – 18
DP1+DP2 (%)	18-25
DP3+DP4 (%)	55-65

### MICROBIOLOGICAL PROPERTIES

Total Plate Count (cfu/g)	≤5000
Yeast & Mold (cfu/g)	≤10
Coliforms (cfu/g)	<10
E. coli (cfu/g)	<10
Salmonella (per 25 g)	Negative

### PACKAGING

77665: 55.11 lbs/25 kg plastic carboy  
77666: 628.31 lbs/285 kg plastic drums  
77667: 3000 lbs/1360.78 kg cardboard tote with plastic liner

### STORAGE

Store at <90°F (32°C). Refrigerate (<40°F/<4.4°C) after opening.

### SHELF LIFE

18 months from date of manufacture in unopened original packaging.

### NUTRITIONAL VALUES

(in 100 grams)

From calculation	
Calories	320 kcal
Fat (g)	0
Calories from fat (kcal)	0
Cholesterol (mg)	0
Protein (g)	0
Carbohydrates (g)	80
Total Sugars (g) *	18
Dietary Fiber (g)	0
Sodium (mg)	35
Potassium (mg)	18.6
Calcium (mg)	9.8
Vitamin D (µg)	0

\*No sugar is added to produce this item. Please consult FDA guidance to determine how your usage would need to be declared.

### LABEL INGREDIENT DECLARATION

Tapioca Syrup  
Additional labeling options noted in: 21CFR 168.120

Values are typical, for general information only, and are not to be construed as specifications. All descriptions, suggestions, and typical values supplied above are believed to be reliable, but Ciranda shall incur no liability by reason of inaccuracies or omissions in this information. The above information is subject to change. Ciranda reserves the right to withdraw, modify, or replace the information at any time, without prior notice. Purchaser assumes sole responsibility for ensuring that product supplied by Ciranda conforms to all applicable laws and regulations.

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