



SSC - Demerara Cafe Cubes

RCS-SS-022

Revision: 5

Review Date: 25/02/2023

PRODUCT SPECIFICATION

Legal name

Demerara sugar cubes

Description

Rough-cut brown sugar cubes, manufactured from raw cane sugar, free from dust, off-odours and off-flavours.

The product is GMO free and does not originate from, or contain sources of genetic modification

Conforms to all relevant statutory requirements (UK & EU Regulations)

Ingredients

Demerara sugar

Allergen Advice

n/a

Warning/Advice

n/a

Country of Origin

Various sources of origin

Weight

500g, 750g

Organoleptic properties

Visual Appearance	Rough-cut brown sugar cubes, irregular shape
Colour	Mid golden brown in colour.
Taste and Odour	Sweet, characteristic taste of cane sugar
Texture	Compressed cubes of crystalline sugar



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Key Parameters

For example: Water Activity, Brix, Specific Gravity, Mean Aperture, Heavy Metals, Mycotoxins, etc.

Chemical / physical analysis	Range	Method
Sugar content (%)	99.6%	Polarisation
Solution colour (ICUMSA Units)	5,803	Absorbance at 420 nm (50% sugar solution)
Reducing sugars (%)	0.05	Sugar solution heated with alkaline copper, EDTA titration.
Loss on drying (%)	0.06	Oven drying / 3 hours / 105 ⁰ C
Sulphur dioxide (SO ₂) (mg/kg)	10	Alkaline solution with bleached rosaniline and formaldehyde/absorbance at 570 nm.
Heavy metals: - Lead - Arsenic - Copper	0.5 1.0 2.0	Atomic absorption spectrophotometer

Microbiological analysis

(Using standard microbiological methods)

Micro-organism	Typically
<i>Mesophilic bacteria (CFU per gram)</i>	Less than 500
<i>Yeasts and Moulds (CFU per gram)</i>	Less than 100
<i>Salmonella (CFU per 25g)</i>	Not detected
<i>E. coli (CFU per gram)</i>	Not detected
<i>Staphylococcus aureus (CFU per gram)</i>	Not detected

	Typically 100g provides:	Source of data (Analysis / Calculation / Literature (state which))
Energy (kJ)	1690	Analysis
Energy (kcal)	398	
Fat (g)	<0.1	
of which saturates (g)	<0.1	
of which mono-unsaturates (g)	<0.1	
of which poly-unsaturates (g)	<0.1	
of which trans-unsaturates (g)	<0.1	
Carbohydrate (g)	99.5	
of which sugars (g)	99.5	
of which polyols (g)	0	
of which starch (g)	0	
Fibre state AOAC or Englyst (g)	<0.5	
Protein (g)	<0.1	
*Equivalent as Salt (2.5 x sodium) (g)	0.125	
Sodium* (g)	0.05	
Water (g)	0	



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Ash (g)	0	
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Food Allergens	Yes/No/MC (May contain)
Product contains?	
Peanuts and products thereof	No
Nuts i.e. Almond, Hazelnut, Walnut, Cashew, Pecan Nut, Brazil Nut, Pistachio Nut, Macadamia Nut and Queensland Nut and products thereof	No
Sesame seed and products thereof	No
Milk (including lactose) and products thereof	No
Egg and products thereof	No
Fish and products thereof	No
Crustaceans and products thereof	No
Soya and products thereof	No
Cereals containing gluten, i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains and products thereof	No
Celery and products thereof	No
Sulphur dioxide and sulphites at levels above 10mg/kg or 10mg/litre expressed as SO ₂ and products thereof	No
Mustard and products thereof	No
Lupin and products thereof	No
Molluscs and products thereof	No

The following are not used during any part of the manufacturing and packaging process unless marked with an X:					
	Contains (X)		Contains (X)		Contains (X)
Processing aids		Natural flavourings		Genetically Modified Organisms	
Natural colourings		Artificial flavourings		Products made from or made by GMO's	
Artificial colourings		Nature identical flavourings		Milk or meat from cloned animals	
Colours (E110, E104, E122, E129, E102 or E124)		Flavour enhancers		Meat	
Azo dyes		Sugar alcohols (Polyols)		Animal derivatives	
Gelling agents		Hydrogenated or Partially Hydrogenated Fat		Phenylalanine	
Emulsifiers		Palm Oil from a non-sustainable source		Enzymes	
Stabilisers		Preservatives		Nano particles	
Thickeners		Antioxidants		Seeds / seed derivatives	
Acidity regulators		Flour treatment agents		Mineral Hydrocarbons	

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Firming agents		Raising agents		Caffeine	
Humectants		Anti-caking agents		Irradiated materials	
Sweeteners					

Suitable for:	
Vegetarians	Yes
Vegans	Yes

Storage
Dry conditions with a relative humidity in the range of 65-85% at ambient conditions (10-20°C), avoiding temperature fluctuations in excess of 5°C in any 24 hour period. The product must be stored away from substances with strong odours and it should not be subjected to draughty conditions, direct light or sources of ignition.

Usage instructions
Ideal for use to sweeten hot beverages.

Shelf-life
In excess of 3 years if good storage practice is observed. The product does not require a best before date (refer to Food Labelling Regulations 1996, Section 22).

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