



Chocolate No Added Sugar Crusha  
Milkshake Mix

RCS-CR-030

Revision: 8

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RECEIVED

Thomas Ridley QC Dept.  
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## PRODUCT SPECIFICATION

### Legal name

Chocolate flavour milkshake mix with sweeteners

### Description

A homogenous no added sugar milkshake syrup consisting of high intensity sweeteners (**sucralose** and **acesulfame-K**) and flavour. The syrup gives a detectable chocolate taste of when tasted either undiluted or diluted with milk.

The product is GMO-free and does not originate from or contain ingredients from genetic modification.

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

### Ingredients

Water, Colour (Caramel and Anthocyanins), Acid (Citric Acid), **Flavouring**, Preservative (Potassium Sorbate), Acidity Regulator (Tri Sodium Citrate), Sweeteners (**Sucralose**, **Acesulfame-K**).

### Allergen Advice

None

### Warning/Advice

SO<sup>2</sup> present at less than 10ppm  
Not Halal or Kosher  
Suitable for Coeliacs  
Suitable for vegetarians

### Country of Origin

Manufactured and packed in the UK

### Weight

500ml, 740ml

### Organoleptic properties

Visual Appearance	Dark brown liquid.
Colour	Dark brown.
Taste and Odour	When tasted undiluted the product has a sweet chocolate flavour and strong aroma of chocolate.
Texture	Non-viscous liquid.

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<b>Key Parameters</b>		
<i>For example: Water Activity, Brix, Specific Gravity, Mean Aperture, Heavy Metals, Mycotoxins, etc.</i>		
<b>Chemical / physical analysis</b>	<b>Range</b>	<b>Method</b>
Density (g/ml)	<1.10	Densitometer/20°C
pH	3.5-3.7	pH electrode (20°C)
Total acidity	<0.64	Titrateable acidity, measured as citric acid
Soluble solids (%)	1.9-2.4	Digital refractometer (20°C)
Heavy metals: * Arsenic (mg/kg) * Lead (mg/kg) * Copper (mg/kg)	1.0 0.5 2.0	Atomic Absorption Spectroscopy

<b>Microbiological analysis</b>	
<i>(Using standard microbiological methods)</i>	
<b>Micro-organism</b>	<b>Typically</b>
<i>Total Viable Count (CFU per gram)</i>	Less than 1000
<i>Yeasts and Moulds (CFU per gram)</i>	Less than 100
<i>Salmonella (CFU per 25g)</i>	Not detected
<i>Staphylococcus aureus (CFU per gram)</i>	Not detected

<b>Nutrition Data</b>			
	<b>Per 100ml</b>	<b>Typical values per 25 ml of syrup diluted in 175ml semi-skimmed milk:</b>	<b>Source of data (Analysis / Calculation / Literature (state which))</b>
Energy (kJ)	47kJ	363 kJ	Analysis
Energy (kcal)	11kcal	86 kcal	Analysis
Fat (g)	0g	3.1g	Analysis
of which saturates (g)	0g	1.9g	Analysis
Carbohydrate (g)	2.6g	9.1g	Analysis
of which sugars (g)	0g	8.3g	Analysis
Protein (g)	0g	6.2g	Analysis
*Equivalent as Salt (2.5 x sodium) (g)	0.07g	0.21g	Analysis

<b>Food Allergens</b>	<b>Yes/No/MC (May contain)</b>
<b>Product contains?</b>	
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 <sub>2</sub> 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	x	Genetically Modified Organisms	
Natural colourings	x	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	x	Nano particles	
Thickeners		Antioxidants		Seeds / seed derivatives	
Acidity regulators	x	Flour treatment agents		Mineral Hydrocarbons	
Firming agents		Raising agents		Caffeine	
Humectants		Anti-caking agents		Irradiated materials	
Sweeteners	x				

**Suitable for:**

Vegetarians

Yes

Vegans

Yes

**Storage**

Crusha can be stored in an ambient, dry environment for 12 months. It can also be stored chilled in a refrigerator (3-5C) for up to one month.

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<b>Usage instructions</b>
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Dilute with semi –skimmed milk: (25 ml syrup: 175 ml semi skimmed milk).
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<b>Shelf-life</b>
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Ambient storage: Maximum 12 months from date of production if good storage conditions are observed.  Chilled storage: Crusha can be stored chilled for up to one month. If refrigerating once opened keep in the fridge and use within 1 month.
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