

**CURCUMIN EXTRACT**
**Code: NC1050**
**Tariff Code** 3203 00 10 - Natural Food Colours (Veg Origin)

<b>Description</b>	A yellow/Orange liquid emulsion of turmeric extracted from the rhizomes of Turmeric ( <i>Curcum longa</i> ) and rendered water soluble through the addition of Polysorbate 80 and Monopropylene Glycol		
<b>Appearance</b>	Dark Orange/Brown transparent liquid		
	Suitable for: Vegetarian	Vegan	Kosher Halal
			GM Free
<b>Uses</b>	Food/Beverage Food colour compliant with the specific purity criteria set out in Commission Regulation (EU) 231/2012 Not for retail sale, for further processing only		
<b>Usage rate</b>	As required according to local legislation		
<b>Product identification</b>	Natural Colour; Curcumin or E100		
<b>Ingredients</b>	Curcumin, Polysorbate 80, Monopropylene glycol		

**Major Allergens**

Celery and its derivatives	Absent
Crustaceans and their derivatives	Absent
Egg and its derivatives	Absent
Fish and their derivatives	Absent
Gluten	Absent
Lupins and their derivatives	Absent
Milk and its derivatives	Absent
Molluscs and their derivatives	Absent
Mustard and its derivatives	Absent
Nuts, their oils and other derivatives	Absent
Peanuts, their oils and other derivatives	Absent
Sesame seeds, their oils and other derivatives	Absent
Soya and its derivatives	Absent
Sulphur dioxide	Absent
(and sulphites at levels above 10mg/kg or 10mg/l, expressed as SO <sub>2</sub> )	

**Chemical**

pH	7 - 8	Verification using pH meter	
Lead	2 ppm	max	
Arsenic	3 ppm	max	
Mercury	1 ppm	max	
Cadmium	1 ppm	max	
Sudan I	<50 ppb	max	
Sudan II	<50 ppb	max	
Sudan III	<50 ppb	max	

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Sudan IV	<50 ppb	max
Rhodamine B	<50 ppb	max
Para Red	<50 ppb	max
Butter Yellow	<50 ppb	max
Sudan Red G	<50 ppb	max
Sudan Red VII B	<50 ppb	max
Sudan Red B	<50 ppb	max
Sudan Orange II	<50 ppb	max
Bixin	<50 ppb	max
Nitroaniline	<50 ppb	max
Orange OT	<50 ppb	max
Sudan Black B	<50 ppb	max
Norbixin	<500 ppb	max

Notes Nutritional values based upon calculation only.

#### Nutrition

<b>Energy kJ</b>	<b>kCal</b>	<b>Carbohyd.</b>	<b>Sugars</b>	<b>Fibre</b>	<b>Sodium</b>	<b>Salt</b>
1761	419	40.0 g/100g	0.0 g/100g	0.0 g/100g	0.0 mg/100g	g/100g
<b>Fat</b>	<b>Saturated</b>	<b>Unsaturat</b>	<b>Polyunsat.</b>	<b>Monounsat.</b>	<b>Trans</b>	<b>Protein</b>
16.0 g/100g	8.0g/100g	0.0 g/100g	2.0 g/100g	6.0 g/100g	0.0 g/100g	0.1 g/100g

Nutritional results are based upon calculation only, not specific product testing, unless otherwise notified.

#### Physical

Absorption (Acetone)	78 - 88
DEcmc	<1.5 @ 0.1%
Sieve Mesh 1mm	100% Passes
Colour Method: Pigment Content	Value: 4.8 - 5.5% Nanometre: 420
Organoleptic	Passes

#### Microbiological

TVC	1000 cfu/g	max
Yeasts	100 cfu/g	max
Moulds	100 cfu/g	max
Enterobacteriaceae	0 cfu/g	max
E coli	0 cfu/g	max
Salmonella	Not Detected in 25g	max
Listeria	Not Detected in 25g	max
Aerobic Plate Count	1,000 cfu/g	max

**Storage** Chilled temps recommended (2-6°C) Otherwise ambient (7-20°C) Avoid direct sunlight.

**Shelf life** 9 Months on opening: 1 Months

**Packaging** Food grade plastic jerries

**Handling** This product is safe for the intended use. Avoid ingestion or direct contact by applying suitable protective measures and personal hygiene. For full safety information and necessary precautions, please refer to the Material Safety Data Sheet

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The information given in this publication is based on our current knowledge and experience, and may be used at your discretion and risk. It does not relieve you from carrying out your own precautions and tests. We do not assume any liability in connection with your product or its use. You must comply with all applicable laws and regulations, and observe all third party rights.

Specifications issued with prefix 'DEV' are in development, are subject to change and should not be relied upon for production or commercial purposes until verified by Plant-Ex Ingredients Ltd

**CUSTOMER APPROVAL**

Approved on behalf of (Customer Name)..... by ..... position.....  
Please sign date and return a scanned copy this spec to quality@plant-ex.com within 14 days after which time approval will be assumed

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