

## Product Technical Dossier

Product	Kola Nut Extract 5:1
CCL Product Code	P11062

### Specification Details

Identification (HPTLC)	Specification
Assay (HPLC)	Positive
Appearance	Caffeine Min 5%
Colour	Fine powder
Aroma	Brownish (**)
Flavour	Characteristic
	Characteristic

(\*\*) Please note the colour of this natural material could be subject to slight change due to many factors such as seasonal variations.

Sieve Analysis % passed	Min 90% pass 80 mesh
Loss on Drying	Max 5%
Ash	Max 10%
Bulk Density	40~60g/100mL

### Microbiological Limits

Total Viable Count	Max 10,000cfu/g
Yeasts & Moulds	Max 1,000cfu/g
E. Coli	Negative/10g
Salmonella	Negative/25g

### Heavy Metal Limits

Total Heavy metals	Max 10ppm
Lead (Pb)	Max 3ppm
Cadmium (Cd)	Max 1ppm
Mercury (Hg)	Max 0.1ppm
Arsenic (As)	Max 1ppm

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#### Additional Technical Information

Raw Material Full Botanical / Chemical Name	<i>Cola acuminata</i>
Part Used	Fruit
The material is Food Grade	Yes
Ratio of Material	5:1
Solvent used	Water & Ethanol
Solubility in Alcohol	Partly soluble
Solubility in Water	Partly soluble
Country of origin	China
Country of manufacture	China
Shelf Life from Date of Manufacture	Min 2 years
Suitable for Vegetarians?	Yes
Suitable for Vegans?	Yes
Storage Conditions	This material is to be stored in a tightly sealed bag/container and to be kept in a cool place away from moisture and direct sunlight.

#### Composition Origin, Function and Percentages

Ingredients	Function	% composition	Source
Dietary	Dietary supplement	85-90%	<i>Cola acuminata</i>
Maltodextrin	Carrier	10-15%	<i>Zea Mays L</i>

Please note that surveillance testing may mean that not all the parameters stated on this specification are tested for every batch.

The allergen information is supplied by the manufacturer, we have not tested for each individual allergen to ensure they are not present. The information given is based on a documented risk assessment and is accurate to the best of our knowledge. If you intend to make a voluntary "free from" claim on your pack, additional testing may need to be carried out. For technical and labelling guidance, you should always speak to the competent authority for the market or member state in which the final products are placed.

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Allergens	Product Contains YES/NO	Listed Item on Site at Manufacturer YES/NO	Where applicable, is there risk of cross-contamination? YES/NO or N/A
Peanuts and Peanut Derivatives (including possible cross contamination)	No	No	N/A
Nut and Nut Derivatives <i>Almond (Amygdalus communis L.), Hazelnut (Corylus avellana), Walnut (Juglans regia), Cashew (Anacardium occidentale), Pecan nut (Carya illinoensis (Wangenh.) K. Koch), Brazil nut (Bertholletia excelsa), Pistachio nut (Pistacia vera), Macadamia nut and Queensland nut (Macadamia ternifolia)</i>	No	No	N/A
Sesame Seeds and Sesame Seed Derivatives	No	No	N/A
Milk and Milk Derivatives (including lactose)	No	No	N/A
Egg and Egg Derivatives	No	No	N/A
Cereals and Derivatives containing OR POTENTIALLY CONTAMINATED WITH Gluten <i>(wheat, wheatgrass, furo, freekeh, spelt, kamut, rye, oats, barley, barleygrass)</i>	No	No	N/A
Soya and Soya Derivatives	No	No	N/A
Lupin and Lupin Derivatives	No	No	N/A
Mustard and Mustard Derivatives	No	No	N/A
Celery or Celery Derivatives (including Celeriac)	No	No	N/A
Fish and Fish Derivatives	No	No	N/A
Molluscs and their Derivatives	No	No	N/A
Crustaceans and their Derivatives	No	No	N/A
Sulphur Dioxide and Sulphites (E220, E228) at levels > 10mg/kg or 10mg/litre	No	No	N/A

Additives / Contaminants / Dietary Requirements / Intolerances	Product Contains YES/NO	Listed Item on Site at Manufacturer YES/NO	Where applicable, is there risk of cross-contamination? YES/NO or N/A
Additives / E Numbers	No	No	N/A
Antioxidants	No	No	N/A
Ethylene Oxide	No	No	N/A
Gelatine	No	No	N/A
Flavourings (Artificial / Nature Identical / Natural / Smoked)	No	No	N/A
Maize / Corn and any Derivatives	Yes	Yes	Maltodextrin
Legumes / Pulses	No	No	N/A
Rice and Rice Derivatives	No	No	N/A
Added Salt	No	No	N/A
Added Sugar / artificial or natural sweeteners	No	No	N/A
Aspartame	No	No	N/A
BHA / BHT (E320 / E321)	No	No	N/A
Caffeine	Yes	Yes	Contains caffeine
Colours (Artificial / Nature Identical / Natural / Smoked)	No	No	N/A
Dextrose	No	No	N/A
other Seeds and Seed Derivatives (Poppy Seeds, Cotton Seeds, Sunflower Seeds)	No	No	N/A
Kiwi fruit	No	No	N/A
Polyols (sugar alcohols)	No	No	N/A
Grapefruit	No	No	N/A
Sorbic Acid (E200, E203)	No	No	N/A
Any other Preservatives	No	No	N/A
Ethanol	Yes	Yes	Extraction
Honey	No	No	N/A
Lactose	No	No	N/A
Yeast and Yeast Derivatives	No	No	N/A
All Animal Products (Beef, Pork, Poultry or other) and Derivatives (which may include growth/yield hormones, antibiotics etc.)	No	No	N/A
Bovine Products or Derivatives (which may include growth/yield hormones, antibiotics etc.)	No	No	N/A



## Statements

<p><b>Confirmation of BSE / TSE Status</b> This is to certify that this product complies with all relevant current UK and EU Legislative requirements in regard to Transmissible Spongiform Encephalopathies (TSE) and Bovine Spongiform Encephalopathy (BSE) for human food, and so is free of TSE/BSE.</p>	Yes
<p>This is also to certify that, during the course of their manufacture, the above-mentioned product did not come into contact with any materials, which could be derived from TSE/BSE risk materials.</p>	Yes
<p><b>Confirmation of GM Status</b> This is to certify that this product is not manufactured from GM raw materials and is therefore not subject to labelling under current regulations.</p>	Yes
<p><b>Confirmation of Non-Irradiation Status</b> This is to certify that this product, whole or in part, has not been subjected to Ionising Radiation as per European Directives.</p>	Yes
<p><b>Confirmation of Nandrolone Status</b> This is to certify that this product, whole or in part, has not come into contact with Nandrolone or any of its precursors in any way.</p>	Yes
<p><b>Confirmation of IOC Product Status</b> This is to certify that this product, whole or in part, has not come into contact with any product/s, which is banned by the IOC (International Olympics Committee) and or WADA.</p>	Yes
<p><b>Confirmation of Animal Testing Status</b> This is to certify that all the products sold by Cambridge Commodities have not been tested on animals in any part of its manufacture in accordance with current regulations.</p>	Yes
<p><b>Confirmation of Pesticides Status</b> This is to certify that the above-mentioned product complies with the EU max residue limits (MRLs) on pesticides.</p>	Yes
<p><b>Confirmation of Nanoparticles Status</b> This is to certify that unless otherwise stated, the above-mentioned product is free of nanoparticles. Commission Recommendation, defines as follows: "Nanomaterial" means a natural, incidental or manufactured material containing particles, in an unbound state or as an aggregate or as an agglomerate and where, for 50 % or more of the particles in the number size distribution, one or more external dimensions is in the size range 1 nm - 100 nm".</p>	Yes
<p><b>Packaging Status</b> We hereby certify that the packaging used in the above-mentioned material conforms to EU regulations and subsequent amendments on food grade packaging</p>	Yes
<p><b>Confirmation of PAH status</b> This is to certify that the above-mentioned product complies with the max PAH limits set by the EU regulations</p>	Yes

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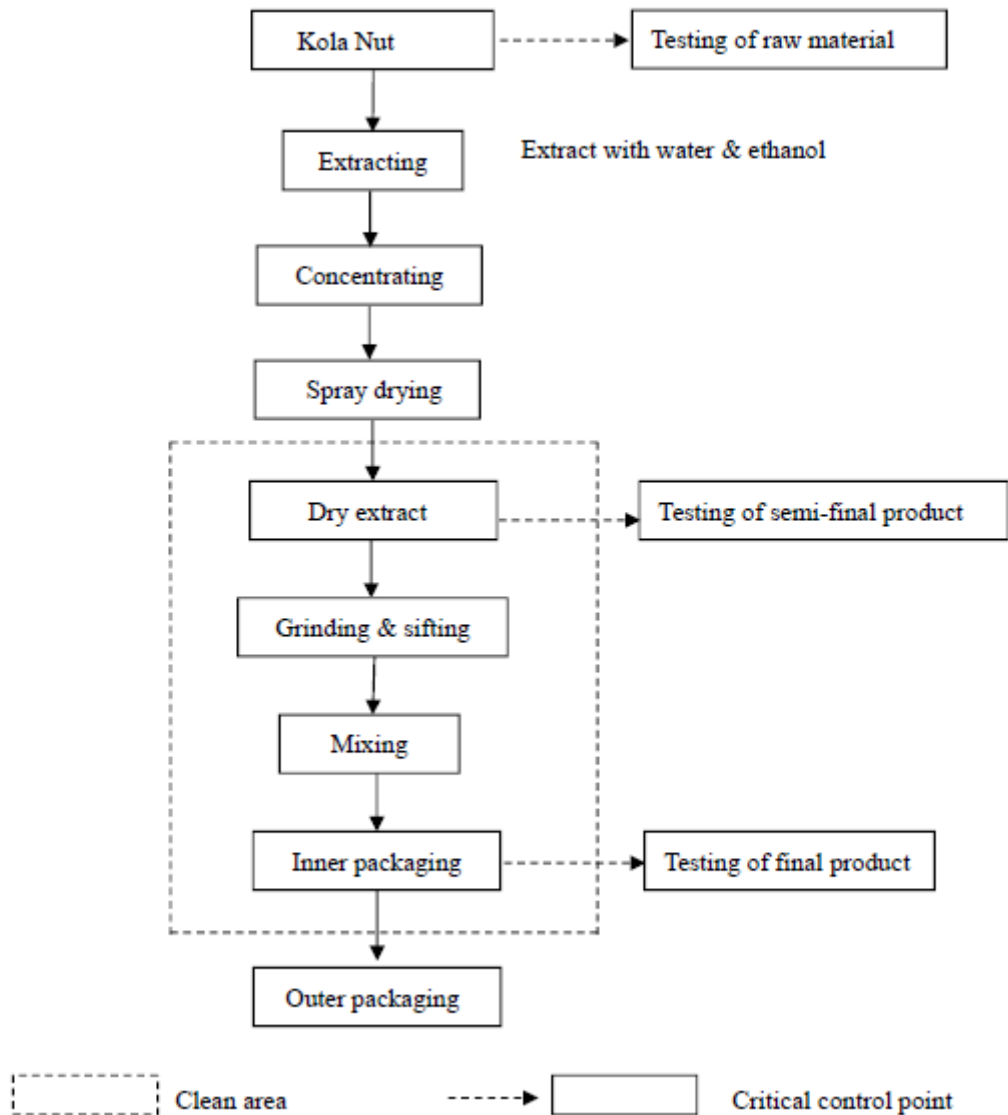
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## Product Flow Chart



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Material Safety Data Sheet

To download this product's material safety data sheet, please click [here](#) and search for the Cambridge Commodities product code. If there is no MSDS available, please follow the on-screen instructions to request one.

The Information provided in this document is subject to change and the batch specific certificate of analysis should always be referenced.

To be used as per local legislation.

Change History

Version	Change	Customer Notification required Yes / No
1	First Issue	N/A
2	Updated to conform with EU and USA Food Grades, the following has been amended; Assay removed due to incorrect content. Ash has reduced from Max 10% to Max 5% Sieve Analysis has gone from 100% pass 80 Mesh to 90% pass 80 Mesh. Sulphate has been removed. Pesticide Residues have been removed. Phosphate organics are now tested periodically. Insolubles in Ethanol have been removed. Ethanol Residues have also been removed. Seasonal Variation Statement added. Total Viable Count has increased from Max 1,000cfu/g to Max 10,000cfu/g. Yeasts and Moulds have been increased from Max 100cfu/g to Max 1000cfu/g. E. Coli has been updated from Negative to Absent in 10g. Salmonella has been updated from Negative to Absent in 25g. Aflatoxins are now tested periodically. Arsenic has decreased from Max 2ppm to Max 1ppm. Lead has increased from Max 2ppm to Max 3ppm. Chloride has been removed. Pharmacopeia Standard Used has changed from CP to EU and USA Food Grades.	Yes
3	Raw Material Named Changed, due to clerical error.	Yes
4	A tariff code and Vegan / Vegetarian Status was added The colour was changed, both phosphates organics and the MSDS was removed. The allergen, additives, flow chart and the format were also updated.	Yes

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5	<p>Added a range for caffeine content          Amended allergen statement          Removed specification for Aflatoxins and mention of pharmacopeia standards.          General reformat</p>	Yes
6	<p>General reformat          Additional supplementary technical information          Updated allergens and additives table          Changes:</p> <ul style="list-style-type: none"> <li>• Caffeine from 5-6% to min 5%</li> <li>• Ash from max5% to max 10%</li> <li>• Colour from brown – tan to brownish</li> <li>• Part used from Inner Part of the Fleshy Seeds to fruit</li> </ul>	Yes

Document Approval

Originator	Approver
<p><i>Chloe Binns</i>  <small>x</small>            27/04/2021 12:48</p> <p><b>Chloe Binns</b>            Quality Apprentice</p>	<p><i>Cecilia Anzani</i>  <small>x</small>            27/04/2021 14:40</p> <p><b>Cecilia Anzani</b>            Senior Quality Specialist</p>

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