



## **PRODUCT TECHNICAL DOSSIER**

### **CHICORY ROOT EXTRACT 5:1**

**Product Code:**

**P03196**

**Raw Material Full Name:**

**Chicory Root Extract**

**Raw Material Full Botanical/Chemical/Latin/Trade Name/Synonyms:**

**Cichorium intybus**

**This material is Food Grade**

**Identification: (TLC)**

**Positive**

**Ratio of Material:**

**5 to 1**

**Solubility in Water:**

**Partly Soluble in Water**

**Solubility in Alcohol:**

**Good in Hydro-Alcoholic Solution**

**Particle Size:**

**80 Mesh**

**Percentage passed through:**

**100%**

**Loss on Drying: (5g/105°C/5hrs)**

**Max 5%**



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**Ash: (2g/525°C/5hrs)**

**Max 5%**

**Sulphate: (2g/525°C/5hrs)**

**Max 0.5%**

**Phosphate Organics: (Gas Chromatography)**

**Max 1ppm**

**Pesticides Residues: (Gas Chromatography)**

**Max 1ppm**

**Country of Origin:**

**China**

**Country of Origin of the Manufacture:**

**China**

**Base Source/Start Material:**

**Roots of the Cichorium intybus**

**Origin of Product – Synthetic, Plant, Mineral, Animal, Fish or Fermented:**

**Plant**

**What is the extraction/processing used? What solvents are used and at what ratio's?**

**Water & Grain Alcohol**

**Compound Ingredients:**

**None it is 100% Chicory Root Extract**

**Shelf Life from Date of Manufacture:**

**3 Years**



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## **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**

## **Appearance: (Visual)**

**Fine Powder**

## **Colour: (Visual)**

**White to Off White**

## **Flavour/Taste: (Organoleptic)**

**Characteristic**

## **Texture: (Visual)**

**Powder**

## **Odour: (Organoleptic)**

**Characteristic**

## **Microbiological Test**

### **Total Viable Count:**

**Max 1,000cfu/g**

### **P. aeruginosa:**

**Absent**

### **S. aureus:**

**Absent**

### **Salmonella:**

**Absent**

### **Yeast & Moulds:**

**Max 50cfu/g**

### **E.Coli:**

**Negative**



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**Staphylococcus:**  
**Negative**

**Aflatoxins: (HPLC)**  
**NMT 0.2ppb**

**Metals**

**Heavy Metals: (Atomic Absorption)**  
**Max 10ppm**

**Arsenic (As): (Atomic Absorption)**  
**Max 1ppm**

**Cadmium (Cd): (Atomic Absorption)**  
**Max 1ppm**

**Lead (Pb): (Atomic Absorption)**  
**Max 2ppm**

**Chlorate (Cl): (Atomic Absorption)**  
**Max 1ppm**

**Mercury (Hg): (Atomic Absorption)**  
**Max 0.1ppm**

**Pharmacopeia Standard Used:**  
**CP**

**There are no nuts in this recipe and are no nuts on site, however we cannot guarantee that the raw materials entering the site are nut free.**



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| INTOLERANCE DATA  |     |    |                           |
|---|-----|----|---------------------------|
|   |     |    | If No please give details |
| Free from All Animal Products (Beef, Pork, Poultry or other)  | YES |    |                           |
| Free from Bovine Products or Derivatives by using hormones to increase milk yield in cows                                   | YES |    |                           |
| Free from Bone Meal   | YES |    |                           |
| Free from Peanuts and Peanut Derivatives (including possible cross contamination)   | YES |    |                           |
| Free from other Nut and Nut Derivatives   | YES |    |                           |
| Free from Nut Derived Oil   | YES |    |                           |
| Free from Sesame Seeds and Sesame Seed Derivatives  | YES |    |                           |
| Free from Poppy Seeds and Poppy Seed Derivatives  | YES |    |                           |
| Free from Sunflower Seeds and Sunflower Seeds Derivatives   | YES |    |                           |
| Free from other Seeds and Seed Derivatives  | YES |    |                           |
| Free from Milk and Milk Derivatives (including lactose)   | YES |    |                           |
| Free from Egg and Egg Derivatives   | YES |    |                           |
| Free from Cereals containing Gluten (wheat / rye / oats / barley/ spelt/ kamut or their hybridised strains) and Derivatives | YES |    |                           |
| Free from Soya and Soya Derivatives   | YES |    |                           |
| Free from Maize and Maize Derivatives   | YES |    |                           |
| Free from Corn and Corn Derivatives   | YES |    |                           |
| Free from Lupin and Lupin Derivatives   | YES |    |                           |
| Free from Yeast and Yeast Derivatives   | YES |    |                           |
| Free from Cotton Seeds (Flour) and Cotton Seed Derivatives  | YES |    |                           |
| Free from Rice and Rice Derivatives   | YES |    |                           |
| Free from Mustard and Mustard Derivatives   | YES |    |                           |
| Free from Celery or Celery Derivatives  | YES |    |                           |
| Free from Celeriac or Celeriac Derivatives  | YES |    |                           |
| Free from Fruit and Fruit Derivatives   | YES |    |                           |
| Free from Vegetable and Vegetable Derivatives   |     | NO | Chicory Root Extract      |
| Free from Carrot and Carrot Derivatives   | YES |    |                           |
| Free from Legumes / Pulses  | YES |    |                           |
| Free from Fish and Fish Derivatives   | YES |    |                           |
| Free from Crustaceans / Molluscs and their Derivatives  | YES |    |                           |
| Free from Additives   | YES |    |                           |
| Free from Added Salt  | YES |    |                           |
| Free from Added Sugar   | YES |    |                           |
| Free from Antioxidants  | YES |    |                           |
| Free from Artificial Glutamates   | YES |    |                           |
| Free from Aspartame   | YES |    |                           |
| Free from Azo and Coal Tar Dyes   | YES |    |                           |
| Free from Benzoates (E210 / E219)   | YES |    |                           |
| Free from BHA / BHT (E320 / E321)   | YES |    |                           |
| Free from Caffeine  | YES |    |                           |
| Free from Cinnamon  | YES |    |                           |
| Free from Cocoa   | YES |    |                           |
| Free from Colours (Artificial / Nature Identical / Natural / Smoked)  | YES |    |                           |
| Free from Dextrose  | YES |    |                           |
| Free from Dioxins   | YES |    |                           |
| Free from Ethanol   | YES |    |                           |



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| INTOLERANCE DATA   |     |                           |               |
|--|-----|---------------------------|---------------|
|  |     | If No please give details |               |
| Free from Ethylene Oxide   | YES |                           |               |
| Free from Flavourings (Artificial / Nature Identical / Natural / Smoked)                                   | YES |                           |               |
| Free from Garlic   | YES |                           |               |
| Free from Gelatine   | YES |                           |               |
| Free from Glutamates (E620 to E625)  | YES |                           |               |
| Free from Histamine  | YES |                           |               |
| Free from Hickory  | YES |                           |               |
| Free from Honey  | YES |                           |               |
| Free from Lactose  | YES |                           |               |
| Free from Latex  | YES |                           |               |
| Free from MSG (Added and Naturally Occurring E621)   | YES |                           |               |
| Free from Nucleotides (E627, E630, E631, E635)   | YES |                           |               |
| Free from Polyols  | YES |                           |               |
| Free from Preservatives  | YES |                           |               |
| Free from Starch Products (Including Maltodextrin)   | YES |                           |               |
| Free from Sorbic Acid (E200, E203)   | YES |                           |               |
| Free from Sulphur Dioxide and Sulphites at levels above 10mg/kg or 10mg/litre expressed as SO <sup>2</sup> | YES |                           |               |
| Free from Sulphites (E220, E228)   | YES |                           |               |
| Free from Sweeteners   | YES |                           |               |
| Free from Vannillin  | YES |                           |               |
| Suitable for Diabetics   | YES |                           |               |
| Suitable for Coeliacs  | YES |                           |               |
| Suitable for Ovo-Lacto Vegetarians   | YES |                           |               |
| Suitable for Vegans  | YES |                           |               |
| Kosher Certified   |     | NO                        | Not Certified |
| Halal Certified  |     | NO                        | Not Certified |



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## **CONFIRMATION OF BSE/TSE STATUS**

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.

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.

## **CONFIRMATION OF GM STATUS**

This is to certify that this product is not manufactured from GM raw materials and is therefore not subject to labelling under regulations 1829/2003/EC and 1830/2003/EC.

## **CONFIRMATION OF NON IRRADIATION STATUS**

This is to certify that this product, whole or in part, has not been subjected to Ionising Radiation as per European Directives 1999/2/EC and 1000/3/EC.

## **CONFIRMATION OF NANDROLONE STATUS**

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.

## **CONFIRMATION OF IOC PRODUCT STATUS**

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).

## **CONFIRMATION OF ANIMAL TESTING STATUS**

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 regulation 86/609/EEC.

## **CONFIRMATION OF PESTICIDES STATUS**

This is to certify that the above-mentioned product complies with the regulation (EC) No.396/2005 of 23<sup>rd</sup> February 2005 and commission Regulation (EU) No. 559/2011 of 7<sup>th</sup> June 2011 amending annexes II and III of the above Regulation.

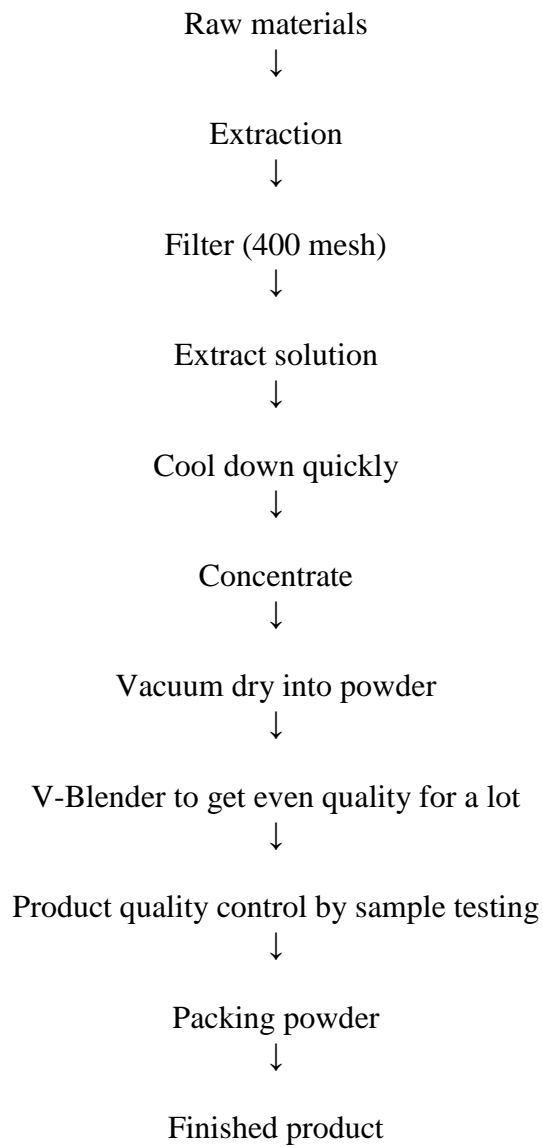


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## PRODUCT FLOW CHART



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## MATERIAL SAFETY DATA SHEET

### Section 1 Description

**PRODUCT NAME:** CHICORY ROOT EXTRACT 5:1

**PRODUCT CODE:** P03196

Supplier: Cambridge Commodities Limited  
78 Lancaster Way, Ely, Cambridgeshire, CB6 3NW.  
Tel: 01353 667258. Email: mail@c-c-l.com

### Section 2 Ingredients/Identity Information

| <u>Components</u>    | <u>% in Product</u> | <u>CAS Number</u> | <u>Formula</u> | <u>EINECS Number</u> |
|----------------------|---------------------|-------------------|----------------|----------------------|
| Chicory Root Extract | 100                 | N/A               | N/A            | N/A                  |

### Section 3 Possible Hazards

Not considered hazardous when handled under normal conditions with good house keeping.

### Section 4 Emergency and First Aid Procedures

|            |   |
|------------|---|
| Eyes       | If symptoms develop, immediately move individual away from exposure and into fresh air. Rinse with plenty of water for at least 15 minutes while holding eyelids apart. Seek medical attention if irritation persists |
| Skin       | Remove contaminated clothing. Wash with soap and copious amounts of water for at least 15 minutes. If irritation persists seek medical attention  |
| Swallowing | Wash out mouth and drink water if conscious. Never give anything by mouth to an unconscious person. Seek medical attention if feeling unwell.   |
| Inhalation | Remove to fresh air. If breathing is difficult, administer oxygen and seek medical help.  |



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## **Section 5 Fire and Hazard Data**

|                            |   |
|----------------------------|---|
| Fire and Explosion Hazards | May emit toxic fumes under fire conditions  |
| Extinguishing Media        | Foam, water spray, carbon dioxide, dry chemical powder  |
| Fire Fighting Instructions | Wear a self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode. Use personal protective equipment. Equipment should be thoroughly decontaminated after use. |

## **Section 6 Accidental release measures.**

Wear self-contained breathing apparatus, rubber boots & heavy rubber gloves. Sweep up/absorb in suitable material, place in a container and hold for disposal. Avoid raising dust. Ventilate area and wash spill site after pick-up complete.

## **Section 7 Storage**

|          |   |
|----------|---|
| Handling | Avoid creating dust. Avoid contact with eyes, skin and clothing, avoid prolonged or repeated exposure.      |
| Storage  | Keep containers tightly closed in a cool and dry place for quality reasons. Protect from humidity and light |

## **Section 8 Control Methods/Personal Protection**

|                        |   |
|------------------------|---|
| Engineering Measures   | Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure.                            |
| Respiratory Protection | Avoid inhalation and wear respirator if needed. 3M Dust respirator No. 8710 or 9900 is recommended, or a NIOSH/MSHA jointly approved dust respirator. |



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## **Section 8 Control Methods/Personal Protection - Continued**

|                      |   |
|----------------------|---|
| Hand/Body Protection | Avoid contact and prolonged or repeated exposure. Wear resistant gloves. Wash thoroughly after handling. Protective clothing recommended. |
| Eye Protection       | Wear safety glasses in compliance with OSHA regulations if needed.  |

## **Section 9 Physical and Chemical Properties**

|                |                           |
|----------------|---------------------------|
| Physical state | Fine powder               |
| Colour         | White to off white        |
| Odour          | Characteristic            |
| Sieve Analysis | 100% pass through 80 mesh |

## **Section 10 Stability and Reactivity**

|                                    |         |
|------------------------------------|---------|
| Conditions to be Avoided           | Unknown |
| Substances to be Avoided           | Unknown |
| Hazardous Decomposition Products.. | Unknown |

## **Section 11 Toxicological Information**

No data.

## **Section 12 Ecological Information**

Do not allow product to enter drinking water supplies, waste or soil

## **Section 13 Disposal Considerations**

Dissolve or mix material with a suitable combustible solvent and incinerate in a chemical incinerator equipped with an afterburner and scrubber. Material should be disposed of in keeping with all local and national legislation. Packaging should be disposed of in keeping with all local and national legislation. Handle contaminated containers as product.

## **Section 14 Transport Information**

|                          |  |
|--------------------------|--|
| Transport classification | Not classified as dangerous for any mode of UK or International transport. |
|--------------------------|--|



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## **Section 15 Regulatory Information**

|                                    |  |
|------------------------------------|--|
| European Regulation                | This product is not classified according to the EU regulations.                                      |
| Reviews, Standards and Regulations | Health & Safety at work act 1974.<br>COSHH Regulations (1994).<br>EH40 Occupational exposure limits. |
| US Federal Regulations             | Not known.   |

## **Section 16 Other Information**

This advice is given by Cambridge Commodities Ltd who accepts no legal liability for it. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

Individuals working with chemicals should consider all chemicals to be potentially hazardous even if their individual hazards may be uncharacterised or unknown.

We confirm that the information above is sourced from the original manufacturers/suppliers Specification.

To be used as per local legislation.

Version No: 2



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