

Finished Product Specification



Product	Coll-egan® (Unflavoured)
CCL Product Code	P13772
Product Type	Powder Blend

Product Details

Appearance	Off white/cream – pink powder	
Flavour	Unflavoured	
Sweetener	Unsweetened	

Microbiological Limits

Total Viable Count	Max 100,000cfu/g	
Yeasts & Moulds	Max 1,000cfu/g	
E. Coli	<10cfu/g	
Salmonella	Not detected in 25g	
Listeria monocytogenes	<10cfu/g	

Heavy Metal Limits

Lead (Pb)	Max 3ppm	
Cadmium (Cd)	Max 1ppm	
Mercury (Hg)	Max 0.1ppm	
Arsenic (As)	Max 1ppm	

Additional Information

Irradiation	Non Irradiated	
GMO	Non GMO	
TSE/BSE Status	TSE/BSE Free	
Organic	Non-Organic	
Bulk Density	0.819g/ml	
Tapped Density	0.885g/ml	

Please note: Bulk density and tapped density are only typical values. Please refer to the technical dossiers for the density and expected range of each material.



























Shelf Life and Storage

Storage Conditions	Store below 25°C and protect from heat and light. Clumping and discolouration may occur if product is not properly sealed.
Shelf Life	2 Years from date of manufacture when stored correctly

Suggested Serving	0.53g – 44.44g
	Do not exceed the stated recommended daily dose
	Food supplements should not be used as a substitute for a varied diet
Suggested Warnings	Keep out of the reach of children
	Doses of more than 1000mg of vitamin C may cause mild
	stomach upset in sensitive individuals

Typical Nutrition Information (Calculated)

Nutrient	Amount Per 100g	Amount Per 3.56g Serving
Fat	0g	0g
of which saturates	0g	0g
of which mono-unsaturates	0g	0g
of which polyunsaturates	0g	0g
Carbohydrate	<1g	0g
of which sugars	<1g	0g
of which polyols	0g	0g
of which starch	<1g	0g
Fibre	<1g	0g
Protein*	83g	3g
-Protein coming from free form amino acids	83g	3g
Salt**	0g	0g
Vitamin C (22% Overage Added)	2250mg (2813% RI***)	80mg (100% RI***)

^{* &#}x27;protein' means the protein content calculated using the formula: protein = total Kjeldahl nitrogen × 6.25

Protein conversion calculations and related values other than purity and microbial data are for information purposes only and that for labelling, health claims and related technical guidance you should always speak to the competent authority for the market or member state which the final products are placed.

See next page for break-down of amino acids



























^{**&#}x27;salt' means the salt equivalent content calculated using the formula: salt = sodium × 2.5

^{**}RI = Reference Intake

Active Ingredients

Product Code & Name	g/100g	Primary Ingredient Source	Purity/Composition
P0728 L-Glycine (0.5% Anti- caking Agent: Silicon Dioxide)	26.5g	Synthetic: Chloroacetic Acid	99.5% Glycine 0.5% Anti-caking Agent: Silicon Dioxide
P0804 L-Hydroxyproline	16.0g	Fermented: Glucose (Corn)	98.5% to 101.0% (Assay) L-Hydroxy Proline
P0723 L-Glutamic Acid	15.75g	Fermented: Glucose (Corn)	Minimum 98.5% L-Glutamic Acid
P0108 L-Alanine	11.75g	Fermented: Propanoic Acid	98.5% - 101.5% Alanine
P01225 L-Arginine	e 11.0g Fermented: Glucose (Corn)		98.5% to 101.5% L-Arginine Hydrochloride
Hydrochloride	9		Providing 82.7% Arginine
P0102 Acerola Blend (Di- calcium Phosphate, Ascorbic Acid, Tricalcium Phosphate, Acerola Juice Powder, Carob Powder, Anti-caking Agent: Silicon Dioxide)	11.0g	Plant: Fruit of the Malpighia glabra	62% Dicalcium Phosphate 27% Ascorbic Acid (Vitamin C) 5% Tricalcium phosphate 3% Acerola juice powder 2% Carob powder 1% Anti-caking Agent: Silicon Dioxide Providing 25% Vitamin C
P0183 Bamboo Extract	7.0g	Plant: Stem of the Bambusa vulgaris	90% Bamboo Stem 10% Maltodextrin (Corn) Providing 75% Silica
P1620 L-Proline	1.0g	Fermented: Glucose (Corn)	98.5% - 101.5% L-Proline



























Allergens	Contains (as ingredient) YES/NO	Listed Item on same manufacturing line as finished product YES/NO	Raw material cross- contact risk and source?
Peanuts and Peanut Derivatives (including possible cross contamination)	NO	NO	NO
Nut and Nut Derivatives Almond (Amygdalus communis L.), Hazelnut (Corylus avellana), Walnut (Juglans regia), Cashew (Anacardium occidentale), Pecan nut (Carya illinoiesis (Wangenh.) K. Koch), Brazil nut (Bertholletia excelsa), Pistachio nut (Pistacia vera), Macadamia nut and Queensland nut (Macadamia ternifolia)	NO	NO	NO
Sesame Seeds and Sesame Seed Derivatives	NO	NO	NO
Milk and Milk Derivatives (including lactose)	NO	YES (C)	NO
Egg and Egg Derivatives	NO	YES (C)	NO
Cereals and Derivatives containing OR POTENTIALLY CONTAMINATED WITH Gluten (wheat, wheatgrass, faro, freekeh, spelt, kamut, rye, oats, barley, barley grass)	NO	YES (C)	NO
Soya and Soya Derivatives	NO	YES (C)	NO
Lupin and Lupin Derivatives	NO	YES (C)	NO
Mustard and Mustard Derivatives	NO	YES (C)	NO
Celery or Celery Derivatives (including Celeriac)	NO	YES (C)	NO
Fish and Fish Derivatives	NO	YES (C)	NO
Molluscs and their Derivatives	NO	YES (C)	NO
Crustaceans and their Derivatives	NO	YES (C)	NO
Sulfur Dioxide and Sulphites (E220, E228) at levels > 10mg/kg or 10mg/litre	NO	YES (C)	NO

A - Risk of contact at source during harvesting and may contain traces

B - Raw material handled on same line as other allergenic materials and may contain traces

C - Raw material handled on same line as other allergenic materials however formal control programme in place to miminise cross contact risk

D –Exempt from labelling according to EU regulations

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.

Dietary Requirements	YES	NO	Source/Details
Vegetarian Suitable	YES		
Vegan Suitable	YES		
Kosher		NO	
Halal		NO	

Use as per local legislation

Our suggestions do not relieve our customers of the responsibility of checking this specification and the suitability of our products for the envisaged purpose.



























Change History

Version	Change	Date
1	First Issue	23/09/2019
2	Added visual inspection Updated from preliminary status	14/10/2019
3	Added Bamboo Extract (5%) Reduced Acerola Blend, Alanine, Arginine, Hydroxyproline and Proline Reduced vitamin C label claim Increased dose to reflect reduced vitamin C content	25/02/2020
4	Added logo, changed name	28/02/2020
5	Added ®	02/03/2020
6	Removed P1620 L-Proline reduced from 15.25g/100g to 1g/100g P0728 L-Glycine increased from 25g/100g to 26.5g/100g P0804 L-Hydroxyproline increased from 14g/100g to 16g/100g P0723 L-Glutamic Acid increased from 13.75g/100g to 15.75g/100g P0108 L-Alanine increased from 9g/100g to 11.75g/100g P0102 L-Arginine HCl increased from 9g/100g to 11g/100g P0102 Acerola Blend increased from to 9g/100g to 11g/100g P0183 Bamboo Extract increased from 5g/100g to 7g/100g 22% Overage added to label claim Amended appearance to include possibility of appearing pink Amended storage instructions to include warning of possible clumping and discolouration if product is not sealed correctly	26/06/2020
7	Added extra nutrition information	15/10/2020
8	Updated to new allergen table format Added allergens on the line based upon chosen manufacturing site	24/02/2021
9	Added typical bulk density and typical tapped density to spec Updated nutrition information (carbohydrate, fibre, sugar and starch updated from '0g' to '<1g'	10/03/2022

Document Approval

Originator Job Title	Senior Product Compliance and Regulatory Affairs Nutritionist	Approver Job Title	Product Compliance Nutritionist
Carys Raper × 10/03/2022 18:25		Ellie Crossley	



























Customer Approval

Cambridge Commodities Ltd (CCL) advise our customers on technological matters to the best of our knowledge. CCL hold no responsibility for the suitability of product for the proposed purpose. It is the responsibility of the brand owner to ensure that all marketing communications are compliant within local legislation and that the appropriate registrations have been obtained. The brand owner is responsible for choosing the legal name of the product and ensuring that the composition meets the legal requirements for the chosen legal category assigned to the product. Energy, protein conversion calculations and related values other than purity and microbial data are for information purposes only. For technical and labelling guidance please speak to the competent authority for the market or member state in which the final products are placed.

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.

Shelf life has been based on microbiological safety. CCL cannot be held responsible for interactions between ingredient combinations as all formulations are unique. We recommend our customers carry out stability trials to assess organoleptic properties of the product under the envisaged packaging/processing/storage conditions. The stability of the ingredients and nutrients within a formulation is complex and are unique to each individual formulation; CCL recommend our customers perform trials to assess required overages based on the conditions the product is expected to be stored in.

CCL recommend that trials are carried out to ensure suitability of the chosen packaging/processing/storage conditions. Some ingredients can be hygroscopic in nature so the properties of ingredients should be carefully considered when choosing packaging material. Cambridge Commodities recommend that the product is suitably evaluated prior to commercial usage. Our information and recommendations are without obligation.

By signing this agreement, you are confirming that you have read this finished product specification and understand the composition of the product. It is understood that by signing this agreement you understand that the formulation meets expectations for your envisaged purpose.

Company Name	
Name of Signer	
Job Title	
Date	
Please sign below	

























