

Product SPECIFICATION

<b>Product Name</b>	Cinnamon bark extract (Cinnamomum cassia) (Ratio 4.1)
<b>CAS Code</b>	8007-80-5

<b>Used Part:</b>	Bark
<b>Solvents Used:</b>	Water & Ethanol
<b>Botanical Source:</b>	Cinnamomum cassia Presl.
<b>ANALYSIS ITEM</b>	SPECIFICATION
<b>Extract Ratio</b>	'4:1
<b>Appearance</b>	Fine Powder
<b>Color</b>	Brown
<b>Odor &amp; taste</b>	Characteristic
<b>Identification</b>	Identical to R.S.sample
<b>Loss on Drying</b>	≤5.0%
<b>Total ash</b>	≤10.0%
<b>Sieve analysis</b>	100% through 80 mesh
<b>Bulk density</b>	40~60g/100mL
<b>Tapped density</b>	60~90g/100mL
<b>Heavy metals:</b>	
<b>Lead(Pb)</b>	≤3.0 mg/kg
<b>Arsenic(As)</b>	≤2.0 mg/kg
<b>Cadmium(Cd)</b>	≤1.0 mg/kg
<b>Mercury(Hg)</b>	≤0.1 mg/kg
<b>Residual solvents</b>	Meet Eur.Ph.6.0 <5.4>
<b>Residual pesticides</b>	Meet USP32<561>
<b>Non irradiated</b>	≤700
<b>Microbiology</b>	Non irradiated
<b>Total Plate Count</b>	≤10000cfu/g
<b>Yeast &amp; Mold</b>	≤1000cfu/g
<b>E.Coli</b>	Negative
<b>Salmonella</b>	Negative

**GENERAL PRODUCT INFORMATION**

Mesh of the product	80
Taped denisty	0.6~0.9 g/ml
Bulk density	0.4~0.6 g/ml
Water solubility	Partly soluble in water
Origin (Synthesis, Fermentation)	Extraction
Origin (Animal, Vegetal, etc.)	From Cinnamomum cassia Presl.
Is the product and their ingredients FREE of GLUTEN?	Yes
Ratio (Aproximate) of the Extract	4:1
Solvents Used during the extraction and their %	30% Ethanol & 70% Water
Product is suitable for Vegans	Yes
Product is suitable for Vegetarians	Yes
Product is free of fructose	Yes

**INGREDIENTS**

In accordance with the Directive 2003/89/EC We confirm this is the ingredients and their content in %

Cinnamon Bark Extract	98%
Maltodextrine	2%

## ALLERGENS

In accordance with the Directive 2003/89/EC and Council amending Directive 2000/13/EC and taking Directive 2005/26/EC, Directive 2005/63/EC and Directive 2006/142/EC of 22.12.2006 into consideration. We confirm the following information:

Note: Does the raw material CONTAIN or is it DERIVED from or could it be CROSS-CONTAMINATED by any of the following.

Cereals containing gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains) and products thereof	No
Crustaceans and products thereof	No
Eggs and products thereof	No
Fish and products thereof	No
Peanuts and products thereof	No
Soybeans and products thereof	No
Milk and products thereof (including lactose)	No
Nuts (i.e. Almond, Hazelnut, Walnut, Cashew, Pecan nut, Brazil nut, Pistachio nut, Macadamia nut and Queensland nut and products thereof)	No
Celery and products thereof	No
Mustard and products thereof	No
Sesame seeds and products thereof	No
Sulphur dioxide and sulphite at concentrations of more than 10 mg/kg or 10 mg/l expressed as SO <sub>2</sub>	No
Lupine and products thereof	No
Molluscs and products thereof	No