

GUARDOX™ BL

PRODUCT DESCRIPTION SHEET

Code 1001	File name GUARODX™ BL PDS	Analyst Dr. YANG	Date 04/04/2019
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DESCRIPTION

Guardox™ BL is a natural bamboo leaf extract rich in flavonoids and is used as a multi-functional antioxidant flavouring for preventing lipid oxidation, decreasing the use level and residue of nitrate or nitrite colorants, antibacterial, colour retention, odour-removing and taste-modifying in various foods.

KEY BENEFITS

- Delay of oxidative rancidity;
- Anti-acrylamide;
- Decreases residue of nitrate / nitrite;
- Shelf life extension;
- Natural, clean label.

APPLICATION AREAS

Applications		Rec. dosage (w/w)
Bakery	Snack	0.5 g/kg
Beverage	Beer	0.05 g/L
	Soft drinks	0.015 g/L
	Fruit and vegetable juice	0.02 g/L
Fruits & vegetables	French fries	0.5 g/kg
	Fried potato crisps	0.5 g/kg
Meat,	Ham	0.3 g/kg
Poultry &	Sausage	0.3 g/kg
Fish	Fried chicken wings	0.5 g/kg

DIRECTIONS FOR USE

The recommended dosage is range of 0.015-0.5 g/kg of final product (w/w). Exact dosage depends on the nature of the product for which it is intended.

The method of applying Guardox™ OE depends on the application for which it is used. Please contact us for specific information.

COMPOSITION

Flavonoid content (w/w)	≥ 40.0%
Phenolic acids content (w/w)	≥ 20.0%
Lactones (w/w)	≥ 10.0%
Loss on drying (w/w)	≤ 8.0%

HEAVY METAL SPECIFICATIONS

Total heavy metal (mg/kg)	≤ 10
Lead (mg/kg)	≤ 3
Arsenic (mg/kg)	≤ 1
Cadmium (mg/kg)	≤ 1
Mercury(mg/kg)	≤ 0.1

PHYSICAL / CHEMICAL SPECIFICATIONS

Appearance	Yellow to brown powder
Odor and taste	Bamboo
pH	5-7

MICROBIOLOGICAL SPECIFICATIONS

Mould and yeast(cfu/g)	< 100
Mesophilic bacteria (cfu/g)	< 1,000
Enterobacteriaceae (/g)	< 100
<i>E. Coli</i> (/g)	Absent
<i>Salmonella</i> (/25g)	Absent
<i>Staphylococcus</i> (/25g)	Absent

NUTRITIONAL DATA

Approximate values for Nutrition labelling per 100g.

Contribution to energy level is insignificant at recommended usage levels.

Energy	217 Kcal
Protein	7.6 g
Carbohydrate	79.44 g
-Glucose	1 g
-Fructose	0.12 g
Fat	0.8 g
Saturated fat	0
Trans fat	0.8g
Dietary fiber	25.3 g
Sodium	16.5 mg
Calcium	135 mg
Iron	7.8 mg
Zinc	1.4 mg
Magnesium	48 mg
Manganese	121 mg
Copper	1.9 mg
Vitamin A	0

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Registration No. BE 0817 450 771

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Vitamin D	0
Vitamin E	0.5 mg
Vitamin B12	0.1ug
Ash	13.62 g

CERTIFICATE STATUS

The product is certified by KOSHER, HALAL and ISO22000:2005.

STORAGE

Conditions:

Storage unopened below 20°C in dry conditions, away from direct sunlight. When opened, store at approx. 20°C in original container.

Shelf life:

Shelf life is 36 months when stored according to recommendations.

REGULATION STATUS

Guardox™ BL may be labelled as bamboo leaf flavoring or bamboo leaf extract, which complies with REGULATION (EC) No. 1334/2008 on flavourings and certain food ingredients with flavouring properties for use in and on foods. And Guardox™ BL was also approved by China GB202760-2015 as food additive (CNS 04.019) as Appendix 1.

PACKAGING

Guardox™ BL is available in 1 kg / pouch. Packaging is available in other quantities. The packaging materials comply with Regulation (EU) No 10/2011.

Food Category	Max Level (g/kg)
Fats and oils essentially free from water	0.5
Cooked nuts and seeds (fried nuts and seeds only)	0.5
Fried flour products	0.5
Instant cereals, including rolled oats	0.5
Bakery wares	0.5
Cured meat product (brined meat, preserved pork, preserved duck, Chinese-style ham, Chinese sausage, etc.)	0.5
Thick gravy cooked meat	0.5
Smoked, baked or grilled meat products	0.5
Fried meat	0.5
Western hams (grilled, smoked and steam boiled)	0.5
Sausage	0.5
Fermented meat products	0.5
Aquatic products (including fish, crustaceans, shellfish, mollusks, and echinode, and their processed products)	0.5
Fruit and vegetable juice (nectar) drink	0.5
Tea drinks	0.5
Puffed food	0.5

ALLERGEN STATUS

Components	Y/N
Peanut or its derivatives	N
Tree nuts, macadamia nuts, pecans, pine nuts, pistachios and walnuts or their derivatives	N
Sesame or its derivatives	N
Eggs or its derivatives	N
Fish or its derivatives	N
Crustaceans and shellfish or their derivative	N
Soy or its derivatives	N
Wheat, triticale or their derivatives	N
Mustard or its derivatives	N
Milk or its derivatives (e.g. Lactose)	N
Sulphites	N

GMO STATUS

According to regulations Ec No. 1829/2003 and 1830/2003. Organisms used for the production of this product are not genetically modified.

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