



OB-PL1D

Bamboo Leaf Extract

Technical Data Sheet

Bamboo Leaf Extract is a very pure and natural hot water extract. In the liquid essence the integral bioactive compounds from bamboo and the original natural aroma is well conserved. The leaf extract is rich in silica and flavonoids.

Supplier:	WuYiShan Organic Bamboo Industries Co., Ltd. Add.:Wuyishan, Nanping, Fujian,China Tel.: 0086 0599 5405023
Reference:	Bamboo Leaf Extract
Name of extract:	Phyllostachys Edulis (Bamboo) Leaf Hot Water Extract
Part of Plant:	Leaves
Mention BIO:	Bamboo raw material is certified organic by EcoCert according to NOP and EU standards

Product ID	OB-PL1D
INCI	Phyllostachys Edulis (Leaf) Extract, Citric Acid, Potassium Sorbate
Product Name	Bamboo Leaf Extract
Solvent used	water
Additives	0.1% Citric Acid, 0.04% Potassium Sorbate
Appearance	liquid
Color	light yellow
Odor	characteristic
Soluble / Miscible	water
pH (20 ° C) internal method	4.0-5.0
Flavonoids	> 20 mg/100g
Silica	>80 mg/kg
Filtration	0.22 µm PES
Aerobic mesophilic flora at 30° C	<150 CFU/ml
Yeast and mold standard	<100 CFU/ml
Packing	20 kg or 200 kg aseptic aluminum bag
Storage	dry, cool, tightly sealed, protect from heat
Shelf	12 months when properly stored and handled

Nutrition Facts:

Protein: <0.2g/100g
Total Fat: <0.2g/100g
Saturated Fat: <0.2g/100g
Ash: <0.2g/100g
Dietary Fibre: <0.1g/100g
Moisture: 99.2g/100g
Sodium: <0.3g/100g
Carbohydrate: 0.5g/100g
Energy: 6.1kcal/100g

Different Flavonoids in Phyllostachys Edulis Leaf Extract:

Substance	LOQ [$\mu\text{g/l}$]	LOD [$\mu\text{g/l}$]	R ²	Recovery [%]	RSD
Orientin	240.0	87.0	0.999	91.9 \pm 3.95	4.3
Isoorientin	495.0	99.0	0.999	95.5 \pm 6.63	7.0
Vitexin	492.0	98.4	0.999	97.5 \pm 5.93	6.1
Rutin	191.0	87.2	0.999	98.1 \pm 3.67	3.7
Isovitexin	141.0	86.2	0.999	99.6 \pm 2.35	2.4
Luteolin	79.4	39.7	0.998	95.1 \pm 6.07	6.4
Kaempferol	196.0	93.2	0.999	96.5 \pm 5.69	5.9
Apigenin	58.0	22.4	0.998	99.2 \pm 1.95	2.0
Tricin	49.0	19.6	0.991	104 \pm 3.70	3.6

LC-MS/MS method validation parameter.

Transport: Land transport ADR / RID: NOT REGULATED
 Maritime transport IMDG: NOT REGULATED
 Marine pollutant: NOT REGULATED
 Air Transport IATA: NOT REGULATED

Legislation: C.A.S. (EU): --
 EINECS: --

Links: www.organicbamboo.org/downloads
 -> Catalogue Bamboo Extracts

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Comments: We recommend heat treatment or sterile filtration before use