

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.

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|-------------------------|---|
| 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 |
| Additives: | 0.1% Citric Acid, 0.04% Potassium Sorbate |
| 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, 0.04% Potassium Sorbate |
| Product Name | Bamboo Leaf Extract |
| Solvent used | water |
| Appearance | clear liquid |
| Color | light yellow |
| Odor | characteristic |
| Soluble / Miscible | water |
| pH (20 ° C) internal method | 4.0-5.0 |
| Flavonoids | 20-50 mg/100g |
| Silica | 80-130 mg/kg |
| Filtration | 0.2 µm |
| 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:

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|----------------|--------------|
| 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±3.95 | 4.3 |
| Isoorientin | 495.0 | 99.0 | 0.999 | 95.5±6.63 | 7.0 |
| Vitexin | 492.0 | 98.4 | 0.999 | 97.5±5.93 | 6.1 |
| Rutin | 191.0 | 87.2 | 0.999 | 98.1±3.67 | 3.7 |
| Isovitexin | 141.0 | 86.2 | 0.999 | 99.6±2.35 | 2.4 |
| Luteolin | 79.4 | 39.7 | 0.998 | 95.1±6.07 | 6.4 |
| Kaempferol | 196.0 | 93.2 | 0.999 | 96.5±5.69 | 5.9 |
| Apigenin | 58.0 | 22.4 | 0.998 | 99.2±1.95 | 2.0 |
| Tricin | 49.0 | 19.6 | 0.991 | 104±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
 -> EcoCert Certificate

Date/Version: 2017-03-24/ TDS_OB-PL1D_3

Comments: We recommend heat treatment or sterile filtration before use.