

GREEN TEA EXTRACT WITH 30% NATURAL L-THEANINE.

PRODUCT SPECIFICATION

Green tea extract with 30% natural L-theanine
Product code: 491668

Sunphenon® TH30 (natural L-theanine extracted from green tea) is an innovative product that has many dynamic uses. It is made from high-quality green tea leaves (*Camellia sinensis*). It is rich in natural green tea L-theanine. Sunphenon® TH30 can be used in healthy food, dairy products, confectionaries and beverages. It is legal for use in food, dietary supplements and beverages.

Application: Wide variety of foods, beverages, confectionaries, and supplements

Specification:

Item	Specification Value	Methods & Condition
Appearance	Light yellow to brown powder	Observation
L-theanine	Not less than 30.0%	HPLC
Caffeine	Less than 2.0%	HPLC
Loss on Drying	Less than 8.0 %	105°C, 3 hr
Heavy Metals	Less than 20.0 µg/g	Colorimetry
Arsenic (as AS ₂ O ₃)	Less than 2.0 µg/g	ICP-MS
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Lead (Pb)	Less than 3.0 µg/g	ICP-MS
Cadmium (Cd)	Less than 1.0 µg/g	ICP-MS
Mercury (Hg)	Less than 0.1 µg/g	AAS
Standard plate count	Less than 1,000 cfu/g	Standard plate agar
Coliform	Negative / 0.1g	BGLB method
Mold & Yeast	Less than 100 cfu/g	Potato dextrose agar plate (chloramphenicol)
S. aureus	Negative / g	SMAFSRB*
Salmonella	Negative / 25g	SMAFSRB*

*Standard Methods of Analysis in Food Safety Regulation Biology, Japan

Usage/ Dosage: Easily soluble into water. Recommended dosage: 165 - 660mg/ usage. Minimum dosage to make L-theanine claims is 165mg (50mg L-theanine) per serving.

Packaging: 10 kg net weight cardboard box in double LDPE film bag.

Shelf life and storage Conditions:

In its original packaging, may be stored at room temperature at least 24 months from date of production. Store in cool, dry place away from heat and direct light.

Regulations related to the use of ingredients varies globally from region to region. It is highly advisable to confirm official regulatory implications prior to use in the intended application within each region and with each applicable regulatory agency. The information above is believed to be accurate and represents the best information currently available to us. Taiyo Kagaku and Taiyo GmbH make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own determination on the suitability of the information for their particular purposes. In no way shall Taiyo Kagaku and Taiyo GmbH be liable for any claims, losses, damages, lost profits or any special, indirect incidental, consequential or exemplary damages, howsoever arising from the sale or use of this material. Copyright © 2017 Taiyo GmbH, Taiyo International, Inc., Taiyo Kagaku Co., Ltd. Sunphenon® is a registered trademark of Taiyo International, Inc.