



Technical Data Sheet

L-Theanin 98% ex Grüner Tee P.E. L-Theanine 98% ex Green Tea P.E.

PRODUCT INFORMATION

Name	Theanine powder extract from green tea		
Product ID	20581	Extract Ratio	200:1
Latin Name	Camellia Sinensis	Extraction solvent	ethanol & water
Part Used	leaf	Green Tea Extract	Approx 98%
Origin	China	Carrier	None

ITEM	SPECIFICATION	METHOD
Theanine Assay	≥98.0%	HPLC
Caffeine Assay	≤0.5%	HPLC
Appearance*	White or off-white Powder	Visual
Odor & Taste	Characteristic	Organoleptic
Identification	Positive	TLC
Particle Size	95%Through 60 Mesh	USP<786>
Watercontent	≤1.0%	USP<921>
Total Ash	≤1.0%	USP<561>
Residual Pesticides	Meet USP Standards	USP<561>
Aflatoxin B1	2 µg/kg max	Eu. Pharm. c.v. (2.8.18)
Total Aflatoxins (B1, B2, G1, G2)	4 µg/kg max	Eu. Pharm. c.v. (2.8.18)

*The color may vary

STATEMENTS

Food Quality and Safety	According to Reg. (EC) 178/2002 / Only for food supplements
Hygiene of foodstuffs	In compliance with Reg. (EC) 852/2004
Hazard	Not dangerous in accordance with EU regulation (EC) No 1272/2008
Contaminants	According to Reg. (EC) 2023/915 for food supplements
Preservative	Preservative Free
Solvents	According to Dir. (EC) 2009/32 and amendments for extraction solvents / residual solvents
Pesticides	According to Reg. (EC) 396/2005 and amendments
Microbiology	Bacterial Count: TAMC-Bacteria: <10,000 cfu/g, TYMC: <300 cfu/g, Salmonella: negative/10g, E. Coli: negative/10g, S. Aureus: negative/10g
GMO	GMO Free According to Reg. (EC) 1829/2003 and 1830/2003 and amendments
ETO	ETO free
Vegan	Conform
Sterilization Method	High Temperature and Pressure
Irradiation	No ionization or other radiation is permitted According to Reg. (EC) 1999/2 and 1999/3 and amendments
BSE/TSE	Risk Free BSE/TSE
Allergen status	No allergens requiring labeling according to Reg. (EC) 1169/2011
Unintentional contact (traces) in the supply chain cannot be excluded.	
Nanomaterials	Absent According to Reg. (EC) 1169/2011
Titanium dioxide	Absent According to Reg. (EC) 2022/63
Packaging	According to Reg. (EC) 1935/2004 and 10/2011 and amendments
MOSH/POSH/MOAH	free

STORAGE AND HANDLING

Packaging	10 kg, 25 kg, possibly different upon agreement
Storage	Store in a well-closed container away from moisture and direct sunlight
Shelf Life	2 years if sealed and properly stored
Document status template	22.11.2025
Issue date (v2)	06.01.2026

All above information according to the manufacturer / supplier

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