



TEAVIT GMBH

Specification EGCG 50

EGCG 50 is a Green Tea Extract made from high quality green tea leaves from the *Camellia sinensis* plant and is manufactured under an extensive safety and pesticide controlled process in every production batch. Aluminum content is tested biannually. The product is certified by Kosher and Halal. **EGCG 50** has a negligible content of caffeine without an astringent taste.

Application:

Wide variety of food, beverages, confectionaries (chewing gum) and dietary supplements.

Specification:

<u>Examination Item</u>	<u>Specification value</u>	<u>Method and Conditions</u>
Appearance	Yellow – brownish powder	Visual observation
Total Tea Polyphenols	Not less than 98 %	UV
Total Tea Catechins	Not less than 70 %	HPLC
Epigallocatechin Gallate (EGCG)	Not less than 50 %	HPLC
Caffeine	Less than 1 %	HPLC
Loss after Drying	Less than 5 %	105 °c for 3 hours
Ash	Less than 0,3 %	550 °C for 3 hours
Mesh Size	80 Mesh	Sieve
Bulk Density	0,35 – 0,52 g/ml	
Aluminum (Al)	Less than 2 ppm	Atom-photospectrometry
Heavy Metals (as Pb)	Less than 10 ppm	Colorimetric
Arsenic	Less than 1 ppm	Atom-photospectrometry
Lead (Pb)	Less than 1 ppm	Atom-photospectrometry
Cadmium (Cd)	Less than 0,5 ppm	Atom-photospectrometry
Mercury (Hg)	Less than 0,1ppm	Atom-photospectrometry
Aerobic Plate Count	Less than 1.000 cfu/g	Standard plate agar
Mold & Yeast	Less than 100 cfu/g	Potato dextrose agar
Salmonella	Negative/25 g	
E-Coli	Negative/0,1 g	

Packaging:

Net 10 kg or 25 kg paper drum in double PE film bag

Storage Conditions:

Keep in original package, store in dark, cool and dry place

Shelf life:

At least 36 months after manufacturing date in unopened package, if store under proper conditions.

TEAVIT GmbH

Joerg-Ratgeb-Strasse 17, D-70794 Filderstadt, Germany; U-ID-No.: DE 318530263

Phone: +49 173 2059049, Fax: +49 711 779 8292, E-mail: Skrna@teavit.de