

TECHNICAL DATA SHEET

1- GENERAL INFORMATIONS

Product	: Ginseng Liquid Extract
Botanical Name	: <i>Panax ginseng</i>
INCI name	: PANAX GINSENG ROOT EXTRACT
CAS number	: 84650-12-4
EINECS/ELINCS number	: 283-493-7
Plant origin	: Korean Peninsula
Botanical family	: <i>Araliaceae</i>
Part of plant used	: Root
Growing condition	: Cultivated and Spontaneous
Extraction solvent	: Ethanol and water
Excipients	: Glycerine
Antioxidants	: Not used
Preservatives	: Potassium Sorbate, Sodium Benzoate
Preparation type	: Liquid Extract
Areas of use	: This raw material is designed for use in foods, cosmetics, and a variety of end products.



2- TECHNICAL SPECIFICATION

Product Descriptions

Appearance	: Liquid
Color	: Brownish to Dark Brownish
Odor	: Characteristic
Taste	: Characteristic

Assay

pH	: 5,00 - 7,00
Brix (20-25°C; in water)	: 2 %
Brix (20-25°C; in water + glycerine)	: 50 - 70 %
Viscosity (20°C – SP8 – 200 rpm)	: 10 - 2000 mPa.s
Conductivity (20-25°C)	: 0-1000 µS/cm
Solubility	: Soluble in water

Heavy metals (ppm)

As	: NMT 10
Cd	: NMT 10
Pb	: NMT 10
Hg	: NMT 10
Pesticides	: Complies to Ph. Eur. current edition and Reg. 2005/396/EC and amendments concerning pesticides residues searched.

Microbiological quality

(Ref. Ph. Eur. current edition depending on the intended use)

-Bacterial count	(TAMC: ref. 5.1.8, cat. B oral use): $\leq 5 \times 10^4$ ufc/g
-Yeast and Moulds	(TYMC: ref. 5.1.8, cat. B oral use): $\leq 5 \times 10^2$ ufc/g
-Escherichia coli	Absent in 1 g
-Salmonella	Absent in 10 g



Notes:

The data reported in this Technical Data Sheet (excluding analytical ones) are taken from literature and CosIng (European Commission database for information on cosmetic substances).

In standardized extract the excipient is added for set the content of constituent, in extracts based on DER to guarantee the final DER.

SHELF LIFE: 24 Months unopened.

STORAGE: Store in a well closed container in a dry place away from excessive heat. Do not freeze.

STABILITY: Avoid strong acids, strong bases and all oxidizing.

