

Origin of L-Theanine in the formula LTO3

One often asks us for the origin of L-Theanine contained in the formula LTO3.

1. Does it come from green tea? (NO). 2. Is it from a plant origin? (YES)

3. Why do you say that it is from a plant origin when on your label it is indicated that it is derived from the L-Glutamic acid?

Firstly, we said that L-Theanine is not drawn from green tea, because the green tea only contains 40% of L-Theanine, and the L-Theanine derived from the L-Glutamic acid is pure at 100%.

Secondly, we say that our L-Theanine is from a plant origin, because we are talking amino acids here. Indeed, L-Theanine and L-Glutamic are amino acids.

L-Glutamic acid is one of the 20 amino acids constitutive of proteins of living matter.

The amino acids are molecules containing an acid function. Usually carboxylic is a function of the amine. The amino acids exist in a free form in a serum or they are incorporated in proteins. The food proteins contain combinations varied from **natural amino acids** : alanine (Went), arginine (Arg), asparagine (Asn), acid aspartic (Asp), cysteine (Cys), glutamine (Gln), **acid glutamic** (Glu), glycolle (Gly), histidine (His), isoleucine (Ile), leucine (Leu), lysin (Lys), methionine (Met), phenylalanine (Phe), proline (Pro), serine (Ser), threonine (Thr), tryptophane (Try), tyrosin (Tyr), valin (Val) and hydroxyproline (Hyp), hydroxylysine in collagen.

L-Theanine is obtained by various processes of fermentation of plants in the laboratory; this is where we get the vegetable source. Now, which kinds of plants are used, that remains a fabrication secret, and there is no reason why anyone needs to return to level of protein and even less on the level of the amino acids. That they are grains, vegetables or plants, their therapeutic efficiency or different effects are not found any more on the level of the amino acids. Thus, they are amino acids recognized for their specific effects. L-Theanine is with its plants of origin as vitamin C is with oranges.

The L-Theanine that we find in the formula LTO3 is thus from a plant origin, a great purity and a recognized effectiveness.