

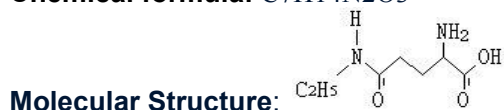


L-Theanine

Product name: L-theanine

Cas#: 3081-61-6

Chemical formula: C₇H₁₄N₂O₃



Synonym: L-glutamic acid -r-monoethylamide, N-Ethylglutamine

Solution/odor: clear, transparent solution in water, odorless and slightly sweet in taste

Technical Data

| No. | Test Items | Standard |
|-----|--|----------------------|
| 1 | Visual | White crystal powder |
| 2 | Assay | Min.99% |
| 3 | Specific Rotation [α] ₂₀ /D | +7.5-+8.5° |
| 4 | Moisture | Max.2.0% |
| 5 | Residual on ignition(Sulfate) | Max.0.2% |
| 6 | PH | 5.0-7.0 |
| 7 | Melting point | 210°C-215°C |
| 8 | Chloride | Max 0.1% |
| 9 | Heavy Metals(pb) | Max 10ppm |
| 10 | Total Plate Count | Max1,000cfu/g |
| 11 | Mold & Yeast | Max1,00 cfu/g |
| 12 | E.Coli., Salmonella | Absent |

Application: widely used in food, beverage and non-food industry.

Dosage Recommendation: 1.0.2% in beverage, baker, icecream and confectionery,etc.;

2.0.01% as flavor modifier in green tea and other food products;

3. no recommendation in pharmaceuticals(it depends on)

Packing & Storage: keep in cool and dry place ; packed in carton or drum after sealed by aluminium-plastic bag(net weight:25kgs/carton or drum)

Shelf Life: Three years

Standard: Meet requirements of JP2000

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