

宁波巍力生物科技有限公司

NINGBO WAYLEAD BIOTECHNOLOGY CO.,LTD.

TECHNICAL DATA SHEET

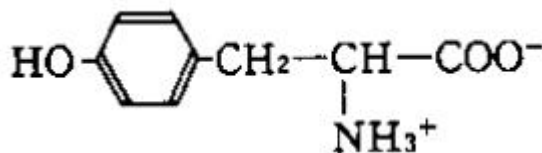
Products: L-Tyrosine (Fermentation)

CAS# : 60-18-4

Molecular formula: $C_9H_{11}NO_3$

Molecular weight: 181.19g/mol

Structure:



SPECIFICATION:

Item	Limit
Appearance	White crystals or crystalline powder
Identification	As per USP39
Assay	98.5~101.5%
Specific rotation $[a]_D^{20}$	-9.8°~-11.2°
Chlorides(Cl)	≤400ppm
Sulfates(SO ₄)	≤400ppm
Iron	≤30ppm
Lead	≤3ppm
Cadmium(Cd)	≤1ppm
Mercury (Hg)	<0.1ppm
Heavy Metals	≤15ppm
Arsenic	≤1.5ppm
Loss on drying	≤0.30%
Residue on ignition	≤0.40%
Single impurity	≤0.50%
Total impurity	≤2.0%
Total Plate Count	≤1000 cfu/gram
Yeast / Moulds	≤ 100cfu/gram
Coliforms	In 25g n.d.

Salmonella	In 25g n.d.
Staphylococcus aureus	In 25g n.d.
Escherichia coli	Negative

Physical description:

Appearance: White crystals or crystalline powder , tasteless.

freely soluble in formic acid, very slightly soluble in water, practically insoluble in ethanol and in ether. Dissolves in dilute hydrochloric acid and in dilute nitric acid.

Solubility (H₂O g/100g): 0.038(20°), 0.075(40°), 0.15(60°)

Shelf life: two years

Function: It is normally used for food additive.

Packing and storage:

25kg paper drums/bags , with 2 pieces polyethylene intermediate layer. It should be stored in dry, normal room temperature condition and no direct sunshine.

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张巍