

Shijiazhuang Haitian Amino Acid Co., Ltd.

Technical Specification

Product Name: L-Tyrosine
 CAS No.: 60-18-4
 Chemical structure: $C_9H_{11}NO_3$
 Quality Standard: USP40
 Packing: 25kg/drum; 25kg/bag

Technical parameters:

Item	Quality Standard
Appearance	White crystals or crystalline granular
Identification	Conforms
Assay	98.5%~101.5%
Residue on Ignition	$\leq 0.4\%$
Chloride(Cl)	$\leq 0.04\%$
Sulfate (SO ₄)	$\leq 0.04\%$
Iron(Fe)	$\leq 30\text{ppm}$
Heavy metal	$\leq 15\text{ppm}$
Related Compounds	Individual impurities $\leq 0.5\%$ Total impurities $\leq 2.0\%$
Optical rotation	$-9.8^\circ \sim -11.2^\circ$
Loss on drying	$\leq 0.3\%$
Arsenic (*)	$\leq 1\text{ppm}$
Lead (*)	$\leq 3\text{ppm}$
Cadmium (*)	$\leq 1\text{ppm}$
Mercury (*)	$\leq 0.1\text{ppm}$
Total plate count (*)	$\leq 1000\text{ cfu/g}$
Mold&Yeast (*)	$\leq 100\text{ cfu/g}$
E. Coli (*)	Negative/g
Salmonella (*)	Negative/g

Tested on periodic basis(*)

Storage Condition: In a cool and dry place sealed storage, one-time use after opening the bag.

Shelf Life: 24 months from the production date under good storage conditions and sound packing.

