

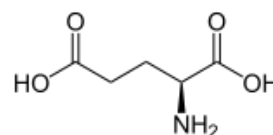
# L-GLUTAMIC ACID

## EP 9 ORAL GRADE

PARAMETER	LIMIT
Appearance: White or almost white crystalline powder or colourless crystals	passes
Identity (A. Specific optical rotation / B. IR))	passes
Test on turbidity (10.0 % (m/V) in 1 M HCl)	≤ Ref. Susp. I
Test on colour (10.0 % (m/V) in 1 M HCl)	≤ B <sub>9</sub>
Specific optical rotation (on dry basis) (10.0 % (m/V) in 1 M HCl at 20°C [ $\alpha$ ] <sub>D</sub> <sup>20</sup> )	+30.5° to +32.5°
Ninhydrin-positive substances (TLC)	≤ 0.5 %
Chlorides	≤ 200 ppm
Sulphates	≤ 300 ppm
Ammonium	≤ 200 ppm
Iron	≤ 10 ppm
Loss on drying	≤ 0.5 %
Residue on ignition	≤ 0.1 %
Assay (on dry basis)	98.5 to 101.5 %
Total viable aerobic count	≤ 1000 CFU/g
Moulds and yeasts	≤ 100 CFU/g
Salmonella	In 1 g n.d.
<i>Escherichia coli</i>	In 1 g n.d.
<i>Pseudomonas aeruginosa</i>	In 1 g n.d.
<i>Staphylococcus aureus</i>	In 1 g n.d.

### CHEMICAL DATA

Formula: C<sub>5</sub>H<sub>9</sub>NO<sub>4</sub>  
CAS Number: 56-86-0



### PACKAGING

25 kg Unit  
Outer container: Fiber drum  
Outer liner: LDPE  
Inner liner: LDPE

### STORAGE

Dry and dark at room temperature in tightly closed container

### STABILITY

Product is stable for 4 years from date of production if stored under recommended conditions in original packaging.