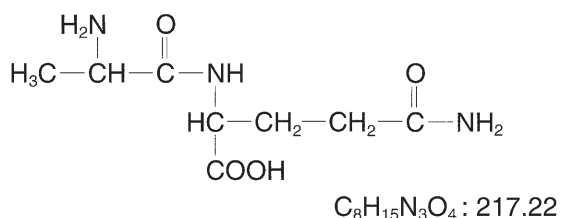


# L-ALANYL-L-GLUTAMINE

CAS NO. 39537-23-0

## MOLECULAR STRUCTURE AND FORMULA



## DESCRIPTION

White crystals or crystalline powder  
Odorless

## IDENTIFICATION

Compare the infrared absorption spectrum of sample with that of the standard by ATR method.

## SPECIFICATION AND PROCEDURE

State of solution	Colorless and clear	Visual test 5%, H <sub>2</sub> O
pH	5.0 - 6.0	Sec.-26, 1%
Specific rotation $[\alpha]_{\text{D}}^{20}$	+9.0 - +11.0°	Sec.-2, dry 10%, H <sub>2</sub> O
Chloride (Cl)	Not More Than 0.021%	Sec.-4-(1), 0.5 g 0.28 ml of 0.01 mol/l HCl
Heavy metals (Pb)	Not More Than 10 ppm	Sec.-7-(1), 4.0 g 2.0 ml of Standard solution
Arsenic (As <sub>2</sub> O <sub>3</sub> )	Not More Than 1 ppm	Sec.-8-(1), 2.0 g 2.0 ml of Standard solution
Related substances	Not More Than 0.5% (Total)	Sec.-25-(2)
Loss on drying	Not More Than 0.5%	Sec.-9-(1), 105°C, 3 hr
Residue on ignition	Not More Than 0.10%	Sec.-10, 2.0 g
Assay (dry basis)	Not Less Than 98.0%	Sec.-15-(1), dry → 0.1 g 0.1 mol/l HClO <sub>4</sub> 1 ml = 21.722 mg C <sub>8</sub> H <sub>15</sub> N <sub>3</sub> O <sub>4</sub>

\* The endotoxin-certified grade will be supplied on request.

## STORAGE

Controlled room temperature in tight container