

**neoFroxx GmbH**

Marie-Curie-Str. 3  
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## Specification

Product	L-Alanyl-L-glutamine for cell biology
Product number	1201
Synonyms	Alanyl-glutamine, Glutamine-S
Formula	$C_8H_{15}N_3O_4$
Molecular weight	217.23 g/mol
CAS number	39537-23-0
Storage	below 25°C
Retest period (months)	48

All amino acids from neoFroxx are of non-animal origin !

Parameter	Specification
Assay (dried substance)	>= 98 %
Appearance	white or off-white crystal or crystalline powder
Identity (HPLC, IR)	passes test
pH (5 % in water, 20°C)	5 - 6
Specific rotation	+8.5° to +11.5°
Loss on drying	<= 1 %
Residue on ignition (Ash)	<= 0.1 %
Arsenic (As)	<= 0.0002 %
Chloride (Cl)	<= 0.02 %
Iron (Fe)	<= 0.001 %
Sulfate (SO <sub>4</sub> )	<= 0.02 %
Ammonium (NH <sub>4</sub> )	<= 0.02 %
Residual solvents	passes test
Related substances	
unspecified impurities (each impurity)	<= 0.1 %
total impurities	<= 0.5 %
Endotoxin	<= 0.05 EU/mg

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Product	L-Alanyl-L-glutamine for cell biology
Parameter	Specification
E. coli	absent
Salmonella sp.	absent
S. aureus	absent
TYMC	<= 100 cfu/g
TAMC	<= 1000 cfu/g
Water (K.F.)	<= 0.3 %

Einhausen, 26.05.2025