

neoFroxx GmbH

Marie-Curie-Str. 3
D-64683 Einhausen

+49 (6251) 989 24-0
coa@neofroxx.com
www.neofroxx.com

Specification

Product	L-Alanyl-L-glutamine for cell biology
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Product number	1201 (revised)
Synonym(s)	Alanyl-glutamine, Glutamine-S
Formula	C ₈ H ₁₅ N ₃ O 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
Appearance	white or off-white crystal or crystalline powder
Identity (HPLC, IR)	passes test
Assay (on dried basis)	min. 98 %
pH (5 % in water; 20°C)	5.0 - 6.0
α20°C/D (1 % in water)	+8.5° to +11.5°
Heavy metals (as Pb)	max. 0.001 %
Loss on drying	max. 1.0 %
Residue on ignition	max. 0.1 %
As	max. 0.0002 %
Chloride	max. 0.02 %
Fe	max. 0.001 %
Sulfate	max. 0.02 %
Ammonium salt	max. 0.02 %
Residual solvents	passes test
Related substances	
each unspecified Impurity	max. 0.1 %
total unspecified Impurities	max. 0.5 %
Bacterial endotoxin	max. 0.050 EU/mg
Microbial limit test (Escherichia coli, Staphylococcus aureus, Salmonella)	negativ
Mold and Yeast	max. 100 cfu/g
Total aerobes counts	max. 1000 cfu/g
Pyrogen test	passes test
Water (K.F.)	max. 0.3 %

Einhausen, 27.06.2023 (revised)