

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	01676
Lot Number	002260-01-202302007
Product	Ala-Gln-OH L-Alanine-L-glutamine
CAS Number	39537-23-0
Molecular Formula	C ₈ H ₁₅ N ₃ O ₄
Molecular Weight	217.22
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Appearance	White or almost white crystalline powder
Clarity & Color	Should be clear, otherwise the color should not darker.
Heavy Metals	< 0.001%
Anion	Chloride : < 0.02%
pH	5.6
Optical Rotation	[α] _D ²⁰ = 9.9 °
Infrared Spectrum	Conforms to structure
Loss on Drying	0.14%
Residual Solvents	Not detected
Related Substances	Cyclo-(L-alanyl-L-glutamine) : Not detected L-Alanine-L-lactamic acid : Not detected L-pyroglutamic acid : Not detected Other unknown maximum impurity : 0.06% Sum of other unknown impurities : 0.10%
Residue On Ignition	0.04%
Assay	99.8% (on dried basis)
Storage	Store at 0 - 8 °C
Additional Information	N(2)-D-alanyl-L-glutamine : 0.006%, L-alanyl-L-glutaminic acid : 0.04%

Certificate of Analysis

Catalog Number: 01676

Lot Number: 002260-01-202302007

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager