

Reanal Private Ltd.

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Tel: +36 (1) 467 7519 Fax: +36 (1) 252-1483 E-mail: QC@reanal.huProduct: **L-Glutamine**Quality: **puriss.**Product number: **18680**ID Number: **1527**CAS-No: **56-85-9**

TEST	REQUIREMENT
Appearance	white to off-white powder
Identity	passes test
Assay (NT, dried substance)	98.5-101.0%
Solubility (2.0 g/50 ml water)	clear, colourless
$[\alpha]_D^{20}$ (c=4; H ₂ O, dried substance)	+6.3° ~ +7.3°
Residue on ignition (SO ₄)	max. 0.1%
Loss on drying (105 °C)	max. 0.5%
Ammonium (NH ₄)	max. 0.02%
Chloride (Cl)	max. 0.02%
Sulfate (SO ₄)	max. 0.03%
Iron (Fe)	max. 0.001%
Heavy metals (Pb)	max. 0.001%
Ninhydrin-positive substances (TLC)	max. 0.5%
D-enantiomer	max. 0.5%
Other amino acids	max. 0.2% (n/n)

Date (d/m/y): 29/10/2009

ÜRGE Károly
QC manager