

Reanal Private Ltd.

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Tel: +36 (1) 467 7519 Fax: +36 (1) 252-1483 E-mail: QC@reanal.huProduct: **L-Glutamic acid**Quality: **puriss., Ph.Eur.6**Product number: **18700**ID Number: **1528**CAS-No: **56-86-0**

TEST	REQUIREMENT
Appearance	white to off-white, crystalline powder
Identity	passes test
Assay (T, dried substance)	98.5-100.5%
Solubility (5.0 g/50 ml 1 M HCl)	clear, colourless
$[\alpha]_D^{20}$ (c=10; 1M HCl, dried substance)	+30.5° ~ +32.5°
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