

Reanal Private Ltd.

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Tel: +36 (1) 467 7519 Fax: +36 (1) 252-1483 E-mail: QC@reanal.huProduct: **L-Asparagine anhydrous**Quality: **puriss.**Product number: **18490**ID Number: **3028**CAS-No: **70-47-3**

TEST	REQUIREMENT
Appearance	white to off-white powder
Identity	passes test
Assay (NT, dried substance)	99.0-101.0%
Solubility (2.0 g/100 ml water)	clear, colourless
$[\alpha]_D^{20}$ (c=10; 31 m/V% HCl, dried substance)	+33.7° ~ +36.0°
pH (2%, 25 °C)	4.0-6.0
Loss on drying (105 °C, 3 h)	max. 1.0%
Residue on ignition (SO ₄)	max. 0.1%
Chloride (Cl)	max. 0.02%
Sulfate (SO ₄)	max. 0.03%
Ammonium (NH ₄)	max. 0.01%
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): 23/03/2010

ÜRGE Károly
QC manager