

Reanal Private Ltd.

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Tel: +36 (1) 467 7519 Fax: +36 (1) 252-1483 E-mail: QC@reanal.huProduct: **N- α -Fmoc-D-glutamine**Quality: **for synthesis**Product number: **22040**ID Number: **3390**CAS-No: **71989-20-3**

TEST	REQUIREMENT
Appearance	white to off-white powder
Identity (IR)	passes test
Assay (T)	98.0-102.0%
Melting range	218.0-226.0 °C
$[\alpha]_D^{20}$ (c=1; DMF)	+17.0° ~ +19.0°
Residue on ignition (SO ₄)	max. 0.2%
Water (KF)	max. 1.0%
Chromatographic purity (TLC) (1)CHCl ₃ :MeOH:AcOH=77.5:15:7.5 (V/V)	min. 99%
Chromatographic purity (HPLC)	min. 98.0%
L-enantiomer	max. 0.5%
Potential residual solvents	to be reported

Date (d/m/y): 09/08/2010

ÜRGE Károly
QC manager