

Reanal Private Ltd.

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Tel: +36 (1) 467 7519 Fax: +36 (1) 252-1483 E-mail: QC@reanal.huProduct: **N- $\alpha$ -Fmoc-L-proline hydrate**Quality: **for synthesis**Product number: **22681**ID Number: **3311**CAS-No: **71989-31-6**

TEST	REQUIREMENT
Appearance	white to off-white powder
Identity (IR)	passes test
Assay (T)	93.0-102.0%
Solubility (0.5 mmol/ml DMF)	clear
A (450-600 nm, 0.5 M, DMF, 1 cm)	max. 0.030
$[\alpha]_D^{20}$ (c=1; DMF)	-29.5° ~ -34.5°
Residue on ignition (SO <sub>4</sub> )	max. 0.2%
Water (KF)	max. 6.0%
Chromatographic purity (TLC) (1)CHCl <sub>3</sub> :MeOH:AcOH=90:8:2 (V/V)	min. 99%
Chromatographic purity (HPLC)	min. 98.0%
D-enantiomer	max. 0.5%
Acetic acid (GC)	max. 0.1%
Ethyl acetate (GC)	max. 0.5%
Diisopropyl ether (GC)	to be reported
n-Hexane (GC)	to be reported
Total residual solvent (GC)	max. 2.0%

Date (d/m/y): 25/01/2010

ÜRGE Károly  
QC manager