

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-phenylalanine**Quality: **for synthesis**Product number: **22645**ID Number: **3307**CAS-No: **35661-40-6**

TEST	REQUIREMENT
Appearance	white to off-white powder
Identity (IR)	passes test
Assay (T)	99.0-101.0%
Solubility (0.5 mmol/ml DMF)	clear, max. 150 Hazen
Melting range	180.0-190.0 °C
$[\alpha]_D^{20}$ (c=1; DMF)	-38.0° ~ -40.0°
Residue on ignition (SO <sub>4</sub> )	max. 0.2%
Water (KF)	max. 1.0%
Chromatographic purity (TLC) (1)CHCl <sub>3</sub> :MeOH:AcOH=90:8:2 (V/V)	min. 99%
H-Phe-OH (TLC)	max. 0.1%
Chromatographic purity (HPLC)	min. 99.0%
Fmoc- $\beta$ -Ala-OH (HPLC)	max. 0.05%
Fmoc- $\beta$ -Ala-Phe-OH (HPLC)	max. 0.05%
Fmoc-Phe-Phe-OH (HPLC)	max. 0.1%
D-enantiomer	max. 0.2%
Other amino acids	max. 0.2% (n/n)
Potential residual solvents	to be reported

Date (d/m/y): 10/02/2010

ÜRGE Károly  
QC manager