

Reanal Private Ltd.

PO Box 54, Budapest, Hungary, H-1441 www.reanal.com
Tel: +36 (1) 467 7519 Fax: +36 (1) 252-1483 E-mail: QC@reanal.huProduct: **N- α -Fmoc-L-phenylalanine**Quality: **for synthesis**Product number: **22640**ID Number: **1969**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 ₄)	max. 0.2%
Water (KF)	max. 1.0%
Chromatographic purity (TLC) (1)CHCl ₃ :MeOH:AcOH=90:8:2 (V/V)	min. 99%
H-Phe-OH (TLC)	max. 0.1%
Chromatographic purity (HPLC)	min. 99.0%
Fmoc- β -Ala-OH (HPLC)	max. 0.1%
Fmoc- β -Ala-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