

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- $\alpha$ -Cbz-L-alanine**Quality: **for synthesis**Product number: **22060**ID Number: **1888**CAS-No: **1142-20-7**

TEST	REQUIREMENT
Appearance	white to off-white powder
Identity (IR)	passes test
Assay (T)	98.0-102.0%
Melting range	80.0-90.0 °C
$[\alpha]_D^{20}$ (c=2; AcOH)	-13.5° ~ -15.5°
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%
Chromatographic purity (HPLC)	min. 98.0%
D-enantiomer	max. 0.5%
Potential residual solvents	to be reported

Date (d/m/y): 16/09/2009

ÜRGE Károly  
QC manager