

Reanal Finechemical Co.

PO Box 54, Budapest, Hungary, H-1441
Tel: +36 (1) 467 7500 Fax: +36 (1) 252-1483
www.reanal.hu
E-mail: QC@reanal.huProduct: **L-Glutamic acid- γ -benzyl ester**Quality: **for synthesis**Product number: **18730**ID Number: **1529**CAS-No: **1676-73-9**

TEST	REQUIREMENT
Appearance	white to off-white powder
Identity (IR)	passes test
Assay (NT)	98.0-102.0%
Melting range	170.0-180.0 °C
$[\alpha]_D^{20}$ (c=1; AcOH)	+17.0° ~ +21.0°
Residue on ignition (SO ₄)	max. 0.2%
Water (KF)	max. 1.0%
Chromatographic purity (TLC) (1)EtOAc:nBuOH:AcOH:H ₂ O=2:1:1:1 (V/V)	min. 99%
Chromatographic purity (HPLC)	min. 98.0%
D-enantiomer	max. 0.3%
Potential residual solvents	to be reported

Date (d/m/y): 25/05/2009

ÜRGE Károly
QC manager