

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: **L-glutamic acid dibenzyl ester toluene-4-sulfonate**Quality: **for synthesis**Product number: **18720**ID Number: **3283**CAS-No: **2791-84-6**

TEST	REQUIREMENT
Appearance	white to off-white powder
Identity (IR)	passes test
Assay (T)	98.0-102.0%
$[\alpha]_D^{20}$ (c=1; MeOH)	+7.0° ~ +9.0°
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. 98%
H-Glu-OH (TLC)	max. 0.5%
Chromatographic purity (HPLC)	min. 98.0%
D-enantiomer	max. 0.5%
Potential residual solvents	to be reported

Date (d/m/y): 23/09/2009

ÜRGE Károly
QC manager