

Reanal Private Ltd.

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Tel: +36 (1) 467 7519 Fax: +36 (1) 252-1483 E-mail: QC@reanal.huProduct: **L-Alanine benzyl ester toluene-4-sulfonate**Quality: **for synthesis**Product number: **18470**ID Number: **3296**CAS-No: **42854-62-6**

TEST	REQUIREMENT
Appearance	white to off-white powder
Identity (IR)	passes test
Assay (T)	98.0-103.0%
Melting range	108.0-118.0 °C
$[\alpha]_D^{20}$ (c=4; MeOH)	-4.0° ~ -6.0°
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. 98.0%
Chromatographic purity (HPLC)	min. 98.0%
D-enantiomer	max. 0.5%
Acetic acid (GC)	max. 0.1%
Ethyl acetate (GC)	max. 0.5%
Diisopropyl ether (GC)	to be reported
Methanol (GC)	to be reported
Total residual solvent (GC)	max. 2.0%

Date (d/m/y): 29/01/2010

ÜRGE Károly
QC manager