



## SPECIFICATION

Tests	Specifications
Appearance	White powder
Clarity of solution	5 mmol in 10ml DMF clear solution
Identification (MS) (mu)	Monoisotopic mass $387.4 \pm 0.5$
Identification (UPLC)	Coelutes with reference standard when the sample and standard solutions are coinjected (1:1, v/v)
Purity(UPLC) (%)	$\geq 99.0$
Impurities (UPLC) (%)	Fmoc- $\beta$ -Ala-OH $\leq 0.3$
	Fmoc- $\beta$ -Ala-Phe-OH $\leq 0.3$
	Fmoc-Phe-Phe-OH $\leq 0.3$
	each single unspecified $\leq 0.5$
Impurity (TLC) (%)	H-Phe-OH $\leq 0.2$
Specific Rotation $[\alpha]_D^{20}$	$-37.5^\circ \pm 2.5^\circ$ (C = 1 in DMF)
Chiral Impurity (HPLC) (%)	$\leq 0.2$
Water Content (K.F.) (%)	$\leq 2.0$
Assay (Titration) (%)	90.0-105.0
Ethyl Acetate (%)	$\leq 0.5$
Acetate (IC) (%)	$\leq 0.2$
Identification (MS)	In accordance with the standard
Identification (NMR)	In accordance with the standard

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