

Item Number	P1582
Item	Phenylalanine, USP
CAS Number	63-91-2
Molecular Formula	C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub>
Molecular Weight	165.19
MDL Number	
Synonyms	L-?-Amino-β-phenylpropionic Acid

Test	Specification	
	Min	Max
ASSAY (DRIED BASIS)	98.5	101.5 %
SPECIFIC ROTATION [α] <sub>D</sub>	-32.7° to -34.7°	
pH OF A 1 IN 100 SOLUTION	5.4	6.0
LOSS ON DRYING		0.3 %
RESIDUE ON IGNITION		0.4 %
CHLORIDE		0.05 %
SULFATE		0.03 %
IRON		0.003 %
ELEMENTAL IMPURITIES	AS REPORTED	
RELATED COMPOUNDS:	.	
INDIVIDUAL IMPURITY		0.5 %
TOTAL IMPURITIES		2.0 %
IDENTIFICATION (FTIR)	SPECTRUM MATCHES REFERENCE	
EXPIRATION DATE		
DATE OF MANUFACTURE		
APPEARANCE		
RESIDUAL SOLVENTS	AS REPORTED	

***Spectrum Chemical Mfg Corp***

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