

Specification



L- Phenylalanine pure Ph. Eur., USP

A1344

Synonym	L-2-Amino-3-phenylpropionic acid
Solubility (25°C)	27 g/L
Melting range	275 - 283°C (dec.)
Formula	C ₉ H ₁₁ NO ₂
M	165.19 g/mol
CAS-No.:	63-91-2
HS-No.:	29224985
EC-No.:	200-568-1
Storage:	RT
LGK:	10 - 13
WGK:	nwg
	◆ All amino acids from AppliChem are of non-animal origin!
Specification	
Assay (titr.)	98.5 - 101.0 %
α_{20°C/D}; 2 %, H₂O	-32.7° - -34.7°
Appearance of solution	complies
Organic vol. impurities	complies
Residue on ignition	max. 0.1 %
Identity	complies
pH (1 %; H₂O; 25°C)	5.4 - 6.0
Heavy metals (as Pb)	max. 0.001 %
Loss on drying	max. 0.3 %
Other amino acids	max. 0.5 %
Ammonium	max. 0.02 %
Chloride	max. 0.02 %
Sulfate	max. 0.03 %
Fe	max. 0.001 %