

PRODUCT DATA SHEET

D-Phenylalanine [(R)-2-Amino-3-phenylpropanoic acid]

CAS No. [673-06-3]

M.W.: 165.19

Molecular Formula: $C_6H_5CH_2CH(NH_2)COOH$

Melting point : 285 °C (decomp.)
Solubility : 28gm/L (16 °C)
Appearance : White crystalline powder

SPECIFICATIONS

Solubility in water : Colorless & clear (c=2)
Specific rotation $[a]^{D_{20}}$: +33.4 - +35.0 (c=2, water)
Loss on drying : Not more than 0.3%
Residue on ignition (as sulfate) : Not more than 0.1%
Chloride (Cl) : Not more than 0.02%
Sulfate (SO₄) : Not more than 0.03%
Iron (Fe) : Not more than 10ppm
Heavy metals (as Pb) : Not more than 10ppm
Arsenic (As) : Not more than 1 ppm
Ammonium salts (NH₄) : Not more than 0.02%
Other amino acids : Not detected by P.P.C.
(The spotted amount, 10µg)
Assay : 98.5% - 101.0%

Packaging: 1kg/5kg/10kg ----- Tin
50kg ----- Fiber drum

Storage: Store in a cool and dry place away from sunlight and moisture.