



Hebei Mojin Biotechnology Co.,Ltd
MOJIN陌瑾 Tel:13231137666 Email:sales@hbmojin.com
Address:Enjoy city, Zhongshan Road, Shijiazhuang city, Hebei province, China

CERTIFICATE OF ANALYSIS

Factory price D-Phenylalanine Powder CAS 673-06-3

Nutritional supplement. One of the essential amino acids. In most food proteins almost not limited amino acid. Can be added in baking food, in addition to strengthening phenylalanine outside, and sugar up amino - carbonyl reaction, can improve the smell of food.

1.D Phenylalanine are important food additives - sweetener Aspartame (Aspartame) of the main raw material, the human body essential amino acids in one of the pharmaceutical industry is mainly used for amino acid transfusion and amino acid drugs.

2.D Phenylalanine is human body can't synthesized a kind of essential amino acids. Food industry mainly for Food sweetener aspartame synthesis raw material;

3.Also can be used as nutritional supplement.

Specification

Product Name	D Phenylalanine	
Test Items	Standard	Results
Description	White power	White power
Identification test	Pass	pass
pH	5.4~6.0	5.67
Specific rotation [α] _{D20}	-33.2~-35.2	-33.44
Chloride(Cl)	0.021%	less than 0.021%
Heavy metals(Pb)	15mg/kg	less than 15mg/kg
Lead	5mg/kg	less than 5mg/kg
Arsenic(As)	2mg/kg	less than 2mg/kg
Loss on drying	0.20%	0.07%
Residue on ignition	0.10%	0.05%
Assay	98.5~101.5%	98.90%
Molecular Formula	C ₉ H ₁₁ N ₀₂	
Molecular Weight	165.19	
CAS NO.	63-91-2	
EINECS	200-568-1	
FEMA	3585	
Density	1.29	
Melting point	270-275 °C	
Water solubility	1-5 g/100mL at 25 °C	