

Certificate of Analysis

Product Name: Aspartame

Standard:BP/USP/FCC

Origin: China

Product Name	Aspartame	
Test item	Requirement	Result
Appearance	White crystalline powder or Granular	White granular
Appearance of solution	Conform to EP	Conform
Identification	Meet the requirements	Conform
Assay(105°C, 4h)	98.0% ~ 102.0%	98.72%
Loss on drying	≤ 4.5%	2.66%
Residue on ignition(Sulphate Ash)	≤ 0.2%	0.05%
Conductivity	≤ 30 μs/cm	16.89 μs/cm
PH	4.5 ~ 6.0	5.32
Specific rotation	+14.5°~ + 16.5°	+15.24°
Transmittance	≥ 95%	99.50%
L-phenylalanine(C)	≤ 0. 5%	Not found
Diketopiperazine(A)	(5-benzyl-3,6-dioxo-2-Piperazineacetic acid)	0.06%
Other related substances	≤ 1.5%	0.61%
Heavy metals (as Pb)	≤ 10ppm	<5ppm
Lead	≤ 1ppm	<1ppm
Arsenic	≤ 3ppm	<2ppm
Conclusion:	Meets the requirements of <u>FCC10, EP9, USP41-NF36</u>	

Aspartame COA