



## CERTIFICATE OF ANALYSIS

### Aspartame

#### Brief Introduction:

Aspartame, alais sweetener or proteoglycan, with the chemical name of Aspartyl phenylalanine methyl ester, is adipeptide being a combination of L-aspartic acid and L-phenylalanine. It can be absorbed by human body completely and is harmless and quite safe to use. It tastes pure, cool and refreshing, similar to sucrose however is 200 times as sweet with only 1/200 of its energy so eating it constantly won't cause any change in blood sugar levels nor cause tooth decay, highblood pressure or coronary disease. It is defined as sweetener of A (I) level by the Word HealthOrganization (WHO) and Food and Agriculture Organization (FAO). It is ratified for use in more than 130 countries and regions throughout the world. It is widely added to, and mixed in with all kinds of foods, non-staple foods, and all sorts of soft drinks with the number reaching as many as 4,000.

#### Detailed Product Description:

<b>Chemical name</b>	Aspartame
<b>MOLECULAR FORMULAR</b>	C14H18N2O5
<b>Molecular weight</b>	294.31
<b>Quality Assurance</b>	Pure, natural and reliable
<b>Cas</b>	22839-47-0
<b>MP</b>	248-250°C

#### Specification:

Item	Standard
Appearance:	Regular white granular or powder
Assay(Titrimetric):	98.00-102.00%(db)
Taste:	Pure
Specific rotation:	+14.50°~+16.50°
Transmittance:	95.0% min
Loss on drying:	4.50% max
Residue on ignition:	0.20% max
L-a-Aspartyl-L-Phenylalanine:	0.25% max
PH:	4.5-6.0
L-Phenylalanine:	0.50% max



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Heavy metals (as Pb):	10ppm max
Arsenic (AS):	3ppm max
5-benzyl-3,6-dioxo-2piperazineacetic acid	1.5% max
Other related substances:	2.0% max
Organic Volatile Impurities	In conformity with USP

Packing: 25kg/cartoon box or 25kg/fiber drum

**Remark: Customized grades are available upon demand**



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