

ANHUI JINHE INDUSTRIAL CO.,LTD

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CERTIFICATE OF ANALYSIS

Product Name: Acesulfame K	Batch Number:202302039
Standard: FCCV	Batch Quantity:10000KGS
Functional Use: Nonnutritive sweetener ,Flavor enhancer	Chemical Formula:C4H4NO4KS
Production date:20230211	Valid Period:3YEARS
Description: white, odorless, freely flowing crystalline powder having an intensely sweet taste, approximately 200 times sweeter than sucrose(3%solution).	

Identification

Test	Requirement	Result
Solubility in Water	Freely Soluble	Freely Soluble
Solubility in Ethanol	Slightly Soluble	Slightly Soluble
Ultraviolet Absorption	227±2nm	227±2nm
Test for Potassium	Positive	Positive
Precipitation test	Yellow Precipitate	Yellow Precipitate

Purity

Test	Requirement	Result
Assay Content	%	99.0 ~ 101.0%
Loss on Drying(105C°, 2h)	%	≤1
Organic Impurities	µg/g	≤20
Impurity A	%	≤0.125
Impurity B	mg/kg	≤20
Fluoride	mg/kg	≤3
Potassium	%	17.0-21.0
Heavy Metals	mg/kg	≤5
Arsenic	mg/kg	≤3
Lead	mg/kg	≤1
Selenium	mg/kg	≤10
Sulfate	%	≤0.1
PH (1 in 100 solution)		5.5-7.5
Mercury	mg/kg	≤1
		NOT DETECTED

Microbiological Tests

Test	Requirement	Result
Total Plate Count cfu/g	≤200	<20
Coliforms-MPN MPN/g	≤10	None
Yeast and Moulds cfu/g	≤100	<10
E.Coli	Negative	None
Salmonella	Negative	None

Particle Size

Sieve	Percent
30-100mesh	92%

*Impurity A:3-oxobutanamide(acetylacetamide)

**Impurity B:5-chloro-6-methyl-1,2,3-oxathiazin-4(3H)-one 2,2-dioxide

The requirement stated herein also meets with the standard of BP,EP8.0 and FAO/WHO JECFA96 E950.

Conclusion:passed

SIGNATURE:

