



安徽金禾实业股份有限公司

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CERTIFICATE OF ANALYSIS

Product Name: Acesulfame K	Batch Number: 202506181
Standard: FCCV	Batch Quantity: 3000KGS
Functional Use: Nonnutritive sweetener, Flavor enhancer	Chemical Formula: C ₄ H ₄ NO ₄ KS
Production date: JUN.18,2025	Valid Period: 2YEAR(JUN.17,2027)
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%	99.46
Loss on Drying(105°C, 2h)	%	≤ 1	0.07
Organic Impurities	µg/g	≤ 20	< 20
Impurity A	%	≤ 0.125	< 0.121
Impurity B	mg/kg	≤ 20	< 20
Fluoride	mg/kg	≤ 3	0.7
Potassium	%	17.0-21	19.61
Heavy Metals	mg/kg	≤ 5	< 5
Arsenic	mg/kg	≤ 3	None
Lead	mg/kg	≤ 1	None
Selenium	mg/kg	≤ 10	None
Sulfate	%	≤ 0.5	< 0.1
PH (1 in 100 solution)		5.5-7.5	6.75

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 mesh	90%

*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, EP and FAO/WHO JECFA96 E950.

Conclusion: passed

SIGNATURE:

