



# NEW AMBITION CHEMICAL

Address: 2 Shandong Rd., Qingdao 266100, China

Tel. +86 532 8386 5768

Email: [sales@ambitionchems.com](mailto:sales@ambitionchems.com)

[www.ambitionchems.com](http://www.ambitionchems.com)

## CERTIFICATE OF ANALYSIS

Product Name:  Acesulfame-k	Batch Number: 20230506
	Test date: 2023/05/07
	Mfg.date: 2023/05/06
	Exp.date: 2025/05/06
	Quantity: 300G

Test	Requirement	Result
<b>Identifications</b>		
Solubility in water	Freely soluble	Freely soluble
Solubility in ethanol	Freely soluble	Slightly soluble
Ultraviolet absorption	227 ± 2nm	227nm
Test for potassium	Positive	Positive
Precipitation test	Yellow precipitate	Yellow precipitate
Assay (Titration method)	99.0-101.0%	100.01%
pH (1% solution)	5.5-7.5	7.2
<b>Purity</b>		
Loss on drying (105°C, 2h)	≤ 1.0%	0.3%
Organic impurities (HPLC)	≤ 20 mg/kg	< 20 mg/kg
Impurity A	≤ 0.125%	< 0.125%
Impurity B	≤ 20 mg/kg	< 20 mg/kg
Fluoride	≤ 3 mg/kg	< 3 mg/kg
Heavy Metals	≤ 5 mg/kg	< 5 mg/kg
Lead	≤ 1 mg/kg	< 0.5 mg/kg
Arsenic As	≤ 3 mg/kg	< 1.2 mg/kg
Selenium	≤ 30 mg/kg	< 20 mg/kg



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Hg	$\leq 0.03$ mg/kg	$< 0.03$ mg/kg
Sulfate	$\leq 0.1\%$	$< 0.1\%$
Cadmium	Not found	
Chrome	Not found	
Nickel	Not found	

Impurity A: 3-oxobutanamide (acetylacetamide)

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

Statement The product meets the requirements of FAO/WHO/JECFA (1996), FCCIV and EPs.