

Certificate of Analysis

Product Name	Acesulfame potassium	Batch Number	YG20221011A3
Manufacture Date	2022.10.11	Analysis Date	2022.10.12
Quantity	1000kg	Expiry Date	2024.10.10
Functional Use	Nonnutritive sweetener Flavor enhancer		
Description	White ,odorless, freely flowing crystalline powder having an intensely sweet taste, approximately 200 times sweeter than sucrose(3% solution)		

Identification

Test	SPECIFICATION	RESULTS
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

ITEMS	SPECIFICATION	RESULTS
Appearance	White Crystalline, granules powder or granules	Conforms
Identification	Passes test	Conforms
Taste and odor	Characteristically sweet with no abnormal odor	Conforms
Assay content	99.0-101.0%	99.3%
Clarity and Color of Solution	The solution is clear and colorless	Conforms
Loss on drying	≤1.0%	0.04%
Potassium	17.0-2%	19.20%
Organic Impurities	≤20ppm	<20ppm
Acidity	Passes test	Conforms
Fluoride	≤3ppm	0.6
Heavy metals	≤5ppm	<5ppm
Acetylacetamide	Passes test	Conforms
Sulfate	≤20ppm	≤20ppm
Lead	≤1ppm	None
Mercury	≤1ppm	None
PH(1 in 100 solution)	5.5-7.5	6.2
Insolubles	≤75ppm	59
Evaluation of Insolubles	No excessive physical matter and no obnoxious or detrimental matter	Conforms
E.coli	Negative in 1 gram	None
Enterobacteria	≤10 cfu/g	Conforms
Mesophilic total count	≤10 cfu/g	Conforms
Mold	≤10 cfu/g	Conforms