

Certificate of Analysis

Product Name Acesulfame K E950 -18MT Issuing Date: Dec.27, 2021

Definition Chemical name: Potassium Salt of 6-methyl-1,2,3-oxathiazin-4(3H)-one-2,2-dioxide
 C.A.S. number: 55589-62-3; E number: 950
 Chemical formula: C₄H₄KNO₄S Molecular weight: 201.24

Description White, odorless, free flowing crystalline powder having an intensively sweet taste. Approximately 200 times as sweet as sucrose (3% solution)

Functional Use High potency-low caloric sweetener

Tests and Methods: FCC10, EP9, USP39-NF34

Batch Number: 2111077

Batch Size: 18000Kg

Production Date: Nov.27, 2021

Parameters	Standard	Test Results
Identifications		
Solubility in water	Freely soluble	Freely soluble
Solubility in ethanol	Slightly soluble	Slightly soluble
Ultraviolet absorption	227 ± 2 nm	227 nm
Test for potassium	Positive	Positive
Precipitation test	Yellow precipitate	Yellow precipitate
Assay (Titrimetric method)	99.0~101.0 %	99.58%
Purity		
Loss on drying(105°C,2h)	≤ 1 %	0.02%
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	0.24mg/kg
Heavy metals	< 5 mg/kg	1.0mg/kg
Lead	< 1 mg/kg	0.07mg/kg
pH (1 in 100 Solution)	5.5~7.5	5.75
Total numbers of colony	< 100cfu/g	conform
Mould & Yeast	< 100cfu/g	conform
Particle Size	NLT 80% between 30-100mesh	

* Impurity A=3-oxobutanamide

** Impurity B=5-chloro-6-methyl-1,2,3-oxathiazin-4(3h)-one2,2-dioxide

Storage condition: Store in cool & dry place

Date of Test: Nov.27, 2021

Huang Huanhuan

Director of laboratory

Expiry Date: Nov.26, 2024

Gu Yumin

Review person



Invoice No.: LE21-D26-054

LC No.: PL1IMLC213400006