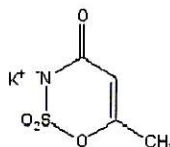


SPECIFICATION

Product:

Acesulfame K

Potassium salt of 6-methyl-1,2,3-oxathiazin-4(3H)-one-2,2-dioxide



C₄H₄KNO₄S
M_r 201,24

Acesulfam-K

E 950

CAS 55589-62-3

EINECS: 259-715-3

Description:

white, odourless, free flowing crystalline powder
having an intensely sweet taste
approx. 200 times as sweet as sucrose (3 %
solution)

Identification:

Solubility in water	Freely soluble
Solubility in alcohol	Slightly soluble
Ultraviolet absorption	227 +/- 2 nm
Test for potassium	Positive
Precipitation test	Yellow precipitate
Assay (Titrimetric method)	99.0 – 101.0%

Purity:

Potassium	17.0 – 21.0%
Loss on drying	≤ 1%
Organic impurities	≤ 20 mg/kg

Specification Acesulfame K

Fluoride	≤ 3 mg/kg
Heavy metals	≤ 10 mg/kg
Lead	≤ 1 mg/kg
Arsenic	≤ 3 mg/kg
Selenium	≤ 30 mg/kg
pH (1 in 100 solution)	6.5 – 7.5
Mesophile aerobes	< 10 cfu/g
Coliforms	< 30 MPN/100/g
Salmonella	not found

Meets the standards of FAO/WHO/JECFA(1996), ESP(1999) and FCCIV