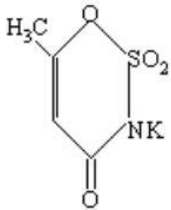


Specification Sheet

| | |
|---------------------|---|
| Product name | Vitasweet® Ace K (E950) |
| Synonyms | Acesulfame Potassium, Acesulfame K, Ace K, |
| 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 |
| Chemical formula | C ₄ H ₄ NO ₄ KS |
| Structural formula |  |

Molecular weight 201.24

Description Odorless, white, free flowing crystalline powder.
Approximately 200 times as sweet as sucrose.

Functional use Nonnutritive sweetener

Method and tests The product is tested according to FAO/WHO JECFA FCC 10 and EP9.

Identification tests

- * Solubility Freely soluble in water, very slightly soluble in acetone and ethanol
- * Ultraviolet absorption 227±2nm
- * Test for potassium Positive
- * Precipitation test Yellow precipitate

Packaging: 25kg carton/drum packaging, usually 500kg/900kg is palletized as one pallet

Assay Not less than 99.0% and not more than 101.0% on the anhydrous basis

Purity tests

| | |
|-------------------------|---|
| Loss on drying | Not more than 1.0%(105°C,2h) |
| Organic Impurities | Not more than 20mg/kg |
| Fluoride | Not more than 3 mg/kg |
| Heavy metals | Not more than 5 mg/kg |
| Lead | Not more than 1 mg/kg |
| Arsenic | Not more than 3 mg/kg |
| Selenium | Not more than 30 mg/kg |
| pH (1 in 100 solution) | Not less than 5.5 and not more than 7.5 |
| Mercury | Not more than 0.1 mg/kg |

Statement The product meets the specifications of FAO/WHO JECFA FCC10 and EP9.