



TECHNICAL DATA SHEET

**Product Name:** Acesulfame K

**Synonyms:** Acesulfame potassium, Sweet One

**Appearance:** White Crystalline Powder

**Molecular formula:** C<sub>4</sub>H<sub>5</sub>NO<sub>4</sub>S

**CAS number:** 55589-62-3

**HS CODE:** 29242990

**TYPICAL SPECIFICATIONS**

Description		White Crystalline powder
Assay	%	99.0-101.0
Impurity A	≤%	0.125
Impurity B(mg/kg)	≤	20
Fluoride (mg/kg)	≤	3
Potassium	%	17.0-21
Heavy Metals(mg/kg)	≤	5
Arsenic(mg/kg)	≤%	3
Losing on drying	≤%	1
Mercury(mg/kg)	≤	1
Lead(mg/kg)	≤	1
Selenium(mg/kg)	≤	10
Sulfate	≤%	0.1
PH		5.5-7.5
Total Plate Count (CFU//g)	≤	200
Coliforms-MPN (MPN/g )	≤	100
Yeast and Moukls(CFU/g)	≤	100

**APPLICATIONS**

**Food & Beverages:** Used as a high-intensity sweetener in low-calorie beverages, chewing gum, candies, baked goods, and other food products.

**Pharmaceuticals:** Used in pharmaceutical formulations as a sweetening agent, especially for sugar-free medications.

**Personal Care Products:** Employed in oral care products like toothpaste and mouthwash for its sweetening properties.

## PACKAGING

25 kg PP woven bags with PE liner

25 kg kraft paper bags

25kg cardboard drum

1000 kg jumbo bags

Custom packaging available upon request

## STORAGE & HANDLING

**Storage:** Keep in a cool, dry, and well-ventilated area, away from moisture and direct sunlight.

**Handling precautions:** Handle with care, avoiding direct heat and humidity.

Acesulfame K should be stored in sealed containers to prevent contamination or moisture absorption.

**Shelf life:** 2 years under proper storage conditions.

## SAFETY & TRANSPORT

**Classification:** Non-hazardous

**Toxicity:** Generally recognized as safe (GRAS) for most individuals; however, excessive intake may lead to mild side effects. Safe for use in low-calorie diets.

**Transport:** Not classified as dangerous goods

