TECHNICAL DATA SHEET

1. Product Identification

Product Name:Potassium Monohydrogen Alpha-Ketoglutarate

Synonyms: Monopotassium Alpha-Ketoglutarate; Potassium Hydrogen 2-Oxoglutarate; K-AKG

Chemical Formula: $C_5H_5KO_5$

CAS No.: 997-43-3

EINECS No.: 213-641-8

Molecular Weight: 184.19 g/mol

2. Product Description

Potassium Monohydrogen Alpha-Ketoglutarate is the monopotassium salt of alpha-ketoglutaric acid, also known as 2-oxoglutaric acid. It is an organic potassium compound supplied in powder form.

3. Typical Specifications

Parameter	Specification
Appearance	White or off-white crystalline powder, with inherent odor of the product, no abnormal odor, no visible foreign impurities in normal vision
Alpha-ketoglutarate content	≥78.1%
Potassium ion content	≥21.4%
Potassium monohydrogen	≥98.0%

alpha-ketoglutarate content	
Loss on Drying	≤1.0%
Mercury	≤1.5 mg/kg
Cadmium	≤2.5 mg/kg
Lead	≤2.0 mg/kg
Arsenic	≤3.0 mg/kg

4. Applications

- **Nutritional Ingredients:**
  Used as a source of potassium and alpha-ketoglutarate in nutritional ingredient formulations.
- **Dietary Supplements:**
  Suitable for research and development of potassium-containing nutritional formulations.
- **Biochemical Applications:**
  Used as a biochemical compound in laboratory and research applications.
- **Pharmaceutical Research:**
  Used as a raw material for pharmaceutical research and formulation development.

5. Packaging & Storage

- **Packaging:**
  25 kg kraft paper bags with PE liner
  OEM packaging available

- **Storage:**
  Store in cool, dry, well-ventilated warehouse. Keep away from high temperature, humidity, strong acid and oxidizing substances. Sealed storage to prevent moisture absorption.

- **Shelf Life:**
  24 months from production date under proper storage