

SPECIFICATION

Product Name: Potassium Bicarbonate Food Grade
Chemical Formula: KHCO_3
CAS Number: 298-14-6
Molecular Weight: 100.115 g/mol
Appearance: White crystalline powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value
Loss On Drying	%	0.18%
pH	-	8.6
Alkalinity as KHCO_3	%	99.81%
Potassium Content	%	38.80%
KHCO_3 Content	%	99.27%
KCl	%	0.015%
K_2SO_4	-	Nil

Physical Properties

- Solubility: Soluble in water. Insoluble in ethanol. Insoluble in acetone. Insoluble in methanol. Insoluble in ether. Insoluble in chloroform.

Shelf Life & Storage

- Shelf Life: 5 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a tightly closed, moisture-resistant container in a cool, dry, and well-ventilated place, protected from moisture, excessive heat, direct sunlight, and contamination.

Applications

- Use: Widely used in as a leavening agent, acidity regulator, buffering agent, pH control agent, potassium fortification ingredient, and sodium-free baking ingredient in the food, beverage, and nutraceutical industries.

- Dosage: Depends on Desired potassium content, Leavening requirement, Buffering capacity, Product formulation, Processing conditions, Regulatory requirements.

Packaging

- Standard Packing: 25 Kgs HDPE drum and 100 Grams or as per customer requirement.

- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.