



# VIRAL ALKALIS LIMITED

## Technical Data Sheet

### Potassium Bicarbonate

Potassium bicarbonate (also known as potassium hydrogen carbonate or potassium acid carbonate) is a White Crystalline Powder, odorless, slightly basic, salty substance.

CAS# 298-14-6

#### **Specification:-**

Parameter	Specification
Appearance	White Crystalline Powder
Loss on drying	1.0% max
pH	8.6 max
Alkalinity as KHCO <sub>3</sub>	99.0 to 101.5 %
Potassium Content	38.0 % min
KHCO <sub>3</sub> Content	99.0 % min
KCl	0.03 % max
K <sub>2</sub> SO <sub>4</sub>	0.08 % max

#### **Properties:-**

Molecular formula: KHCO<sub>3</sub>

Molar Mass: 100.115g/mol

Density: 2.17g/cm<sup>3</sup>

Melting Point: Decomposes at 292°C

**Packing:** - 25 kg PP lined HDPE Bag or as per customer requirement.

#### **Applications:-**

- **Fire extinguisher:** - As a Dry chemical powder in fire extinguishing agent for Class B and Class C type fires.
- **Pharmaceuticals:** - Pharmaceutical derivatives such as fexofenadine HCl, sultamicillin base, aripiprazole, pitofenone HCl, sulfamethoxy pyrazine.
- **Agricultural:** - Potassium bicarbonate is an effective fungicide against powdery mildew and apple scab, allowed for use in organic farming.
- **Mineral water:** - Potassium bicarbonate is added as mineral supplement and to enhance taste.
- **Food and beverages:** - Foaming and fizzing agent in instant carbonated beverages, club soda. As additive in wine making.