



# Technical Data Sheet

## Potassium Carbonate

### Basic Info:

Chemical Name: Potassium Carbonate

Molecular Formula:  $K_2CO_3$

Molecular Weight: 138.21

CAS: 584-08-7

Character: It is anhydrous or contains 1.5 combined water molecular. Anhydrous form occurs as white, granular powder and hydrated form occurs as white, translucent crystal or granule. It's odorless and smells alkali. In air, it's very deliquescent. It's freely soluble in water and aqueous solution is alkaline. It's insoluble in ethanol or ether.

### Specification:

| Items                          | Standard        |
|--------------------------------|-----------------|
| Content                        | $\geq 99.0\%$   |
| Heavy metal (Pb)               | $\leq 0.001\%$  |
| Arsenic (As)                   | $\leq 0.0002\%$ |
| Loss on Ignition               | $\leq 0.60\%$   |
| Water Insoluble                | $\leq 0.02\%$   |
| Fe                             | $\leq 0.001\%$  |
| Sulphur Compound ( $K_2SO_4$ ) | $\leq 0.01\%$   |
| Chlorides                      | $\leq 0.015\%$  |

**Usage:** It is used as pH regulator, nutrient, processing aid and spice.

**Packing:** It is packed with polyethylene bag as inner layer, and a compound plastic woven bag as outer layer. The net weight of each bag is 25kg.

**Storage and Transport:** It should be stored in a dry and ventilative warehouse, kept away from heat and moisture during transportation, unloaded with care so as to avoid damage. Furthermore, it must be stored separately from poisonous substances.

**Shelf Life:** 2 years

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