

# POTASSIUM CARBONATE (POWDER)



CAS Number: 584-08-7

Other Names: Carbonate of potash; Dipotassium carbonate;  
Sub-carbonate of potash, Pearl ash; Potash;  
Salt of tartar; Salt of wormwood

Formula:  $K_2CO_3$

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## PRODUCT INTRODUCTION

Potassium carbonate is the inorganic compound with the formula  $K_2CO_3$ . It appears as white powder, which is soluble in water and insoluble in alcohol. It is deliquescent in nature therefore often appearing a damp or wet solid. Potassium carbonate is mainly used in the production of soap and glass.

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## PHYSICAL AND CHEMICAL PROPERTIES

$K_2CO_3$ (Total alkali as $K_2CO_3$ )	99.85 %
KCl	0.005 %
Fe	0.0001 %
KOH	0.19 %
$Na_2CO_3$	0.7 %
$K_2SO_4$	0.002 %
Water	0.1 %
Heavy metal as Pb	1.5 ppm
# 100 OVER	7.6 %
# 100 ~ #270	14.8 %
# 270 ~ # 400	13.2 %
#400 UNDER	64.4 %

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## APPLICATION

- Potassium carbonate has historically been used for glass and soap production.
- Contemporary applications rely on the compound's key properties, such as its ability to release heat (exothermic), which makes it useful as a de-icer.
- Another important application of the compound is in the field of agriculture. Potash is a major agricultural fertilizer. It helps in the enhanced growth of plants.

- It also helps in the retention of water in the soil
- Additionally,  $K_2CO_3$  is used to lower the acidity of wine and serves as a drying agent for fruit processing, as well as in formulations for inks and toners, disinfectants and cleaning products.

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## PACKAGING OPTIONS

Drums

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