

ZHEJIANG DAYANG BIOTECH GROUP CO., LTD.

NO.22, CHAOYANG ROAD, DAYANG, JIANDE, ZHEJIANG, CHINA

Description of goods: potassium bicarbonate

Mol.formula: KHCO_3

Constitutional formula:

$$\begin{array}{c} \text{O} \\ | \\ \text{KO}-\text{C}-\text{OH} \end{array}$$

Chemical properties:white crystals and stable in the air,easily soluble in water and the solution appears weak base,insoluble in ethanol

Physical property: white crystals, Mol.wt:100.11, specific gravity: 2.17,easily soluble in water.

Main application: mainly used as raw chemical materials,and also used in pharmaceutical industry,etc.

Shelf life:two years

Appearance	white crystal, free flowing
Identification	Positive tests for potassium & carbonate
Assay,%	99.0-101.0
Test for potassium	Passes test
Test for carbonate	Passes test
Potassium chloride, %	≤ 0.02
Fe, %	≤ 0.001
Potassium sulphate (K_2SO_4) , %	≤ 0.015
Heavy metals(as Pb)	$\leq 5\text{ppm}$
Water insoluble, %	≤ 0.01
Sodium	≤ 0.5
Ammonium	$\leq 20\text{ppm}$

Calcium	≤100ppm
Potassium, %	≥38.0
Arsenic	≤3ppm
Lead	≤2ppm
Mercury	≤1ppm
PH	≤8.6
Water, %	≤0.25
Solubility	Freely soluble in water. Insoluble in ethanol

Complies to **E 501(ii)**、**FCC**、**OIV**

Packing: Plastic woven bag or kraft paper bag inner with plastic bag, in 25/50/500/1000kg net.

Storage and transportation: Stored in dry and ventilated house away from moisture. Protecting the material from rain when loading and unloading. Be sure to keep the package dry and free from contaminant. Avoiding handling and transporting together with acid substances.

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浙江大洋生物科技集团股份有限公司
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陈阳贵