



Potassium hydrogen carbonate PhEur/BP, USP

Supplier	Macco Organiques, s.r.o., Bruntál, Czech Republic
Chemical name	Potassium hydrogen carbonate
CAS number	298-14-6
EC number (EINECS)	206-059-0
Chemical formula	KHCO_3
Molecular weight	100.115
Contents of Potassium	39.0 g in 100 g of KHCO_3
Shelf life	2 years
Storage Conditions	Store in cool, dry and well ventilated areas, store in tightly closed packages at temperature: -5 – 45°C, and relative humidity: 5 – 98 %

Physical properties

Appearance	colorless substance
Density in kg/dm^3	2.17
Solubility in water at 20°C	224.9
in g/1000 g	
Melting point	292°C
Taste	Saline

Applications



Food processing industry treatment



Cosmetic industry



Pharmaceutical industry



Drinking water

Certificates: ISO 9001:2016

Potassium hydrogen carbonate is in conformity with the last edition of:

- European Pharmacopoeia/British pharmacopoeia
- American Pharmacopoeia

Packaging

Paper bags with LDPE inner liner - 25 kg

On request

Big Bags with LDPE inner liner - 1000 kg

Small bags – 0.5 – 8.0 kg

Single LDPE bags – 25 kg

Double LDPE bags – 25 kg

Carton boxes with LDPE inner liner - 25 kg

Fibre drums with LDPE inner liner

Barentz.

Provided by Barentz USA
1390 Jaycox Road, Avon, Ohio 44011
(440) 937-1000
www.barentz-na.com/us
Contact us at:
info-pharmaus@barentz.com

Valid from: 10.9.2021



Potassium hydrogen carbonate PhEur/BP, USP

Chemical analysis

Parameter	Specification – PhEur/BP	Specification – USP
Identity A)	Corresponds to test	Potassium
B)	Carbonates and Bicarbonates	Bicarbonate
C)	Potassium	
Assay	99.0 - 101.0 %	99.5 - 101.5 % (on the dried basis)
Appearance	White or almost white, crystalline powder or colourless crystals	-
Solubility	Freely soluble in water, practically insoluble in ethanol 96 %	-
Appearance of Solution	Clear and colourless	-
Carbonates	pH ≤ 8.6	-
Chlorides	Maximum 150 ppm	-
Sulfates	Maximum 150 ppm	-
Ammonium	Maximum 20 ppm	-
Calcium	Maximum 100 ppm	-
Iron	Maximum 20 ppm	-
Sodium	Maximum 0.5 %	-
Loss on drying	-	NMT 0.3 %
Normal carbonate	-	NMT 2.5 %
Residual solvents	-	Corresponds to test*

Remark: *None organic solvents are used in production, material fulfill the requirements of USP, PhEur and EMA/CHMP/ICH/82260/2006 for residual solvents.

For some technical applications is contents of bromides < 0.0005 %.

Barentz.

Provided by Barentz USA
1390 Jaycox Road, Avon, Ohio 44011
(440) 937-1000
www.barentz-na.com/us
Contact us at:
info-pharmaus@barentz.com

Valid from: 10.9.2021