



POTASSIUM BICARBONATE FFQ

Formula	: KHCO ₃				
Molecular weight	: 100.11				
Synonyms	: Potassium hydrogen carbonate.				
Bulk density	: 1.15 kg/dm ³ approx.				
pH (20°C, 5%)	: 8.0 ca.				
Water solubility	: increases with the temperature according to the following table:				
	t °C	5	25	35	50
	g KHCO ₃ /100 g soln	20.2	26.8	29.6	34.5

QUALITATIVE CHARACTERISTICS

Appearance	white crystalline powder	
Assay	% KHCO ₃	99-101
Loss on drying	%	< 0.25
Water-insoluble substances	mg/kg	< 50
Iron	mg/kg as Fe	< 10
Heavy metals	mg/kg as Pb	< 3
Arsenic	mg/kg as As	< 3
Lead	mg/kg as Pb	< 2
Mercury	mg/kg as Hg	< 1

The product complies specifications of: Regulation EU 231/2012 (food additives), FCC XIII (2022).

The indicated values are intended as determined according to internal analysis methods.

STANDARD PACKAGING

25 kg polyethylene bags

STORAGE

Store the product in its original container in a dry, cool and well-ventilated place away from heat sources or sunlight; store at a constant recommended temperature of 20°C, not exceeding 30°C.

If heated above 100°C it decomposes developing carbon dioxide.

If exposed to humidity the product absorbs water with the consequence that it can harden and form lumps; however, it does not deteriorate either chemically or biologically.

MAIN USES

In food and beverage industry (E501ii) as a chemical leavening agent, pH control agent, processing aid (in extruded foods), ingredient in instant powder drinks, etc.

Component of fire-extinguisher powders.

In chemistry: catalyst in polymerization of synthetic fibres or dehydrogenation of olefins, in water-based adhesive resins and coatings, high-temperature polymer blowing agents.

In detergents, in cosmetic products.

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.

THIS TECHNICAL DATA SHEET IS IDENTIFIED AS **KBC 1 (0224) E**