

Typical Certificate of Analysis

Product: Potassium Bicarbonate Powder – USP Grade
Country of Origin: Germany

Test	Specification	Typical Result
Appearance*	White or almost white powder or colourless crystals	Complies
Solubility*	Freely soluble in water	Complies
Identification A, B, C*	Complies	Complies
Appearance of solution*	Clear and colourless	Complies
Carbonates*	pH of solution ≤ 8.6	Complies
Chlorides*	≤ 150 ppm	Complies
Sulfates*	≤ 150 ppm	Complies
Ammonium*	≤ 20 ppm	Complies
Calcium*	≤ 100 ppm	Complies
Iron*	≤ 20 ppm	Complies
Sodium	$\leq 0.5\%$	0.014%
Assay	99 – 101%	100.8%
Density*	2.17 g/cm ³ (20°C (68°F))	Complies
Particle size*	<100 μm $\leq 20\%$; >500 μm $\leq 5\%$	Complies
Loss on drying*	$\leq 0.25\%$	Complies
Mercury*	≤ 1 ppm	Complies
Arsenic*	≤ 3 ppm	Complies
Lead*	≤ 2 ppm	Complies
Heavy metals, total*	≤ 3 ppm	Complies
Iron (second test)*	≤ 10 ppm	Complies
Potassium carbonate	$\leq 2.5\%$	1.8%
Matter insoluble in water*	≤ 50 ppm	Complies

* Tested periodically. Complies with Ph. Eur.; producer declares USP and BP. Synthesized from mineral raw materials.
 Also stated: free from food allergens, latex free; pesticides, contaminants and residual solvents comply with EU rules.

TYPICAL / representative analysis from a prior production lot. Not the lot in your bag.