



Potassium Chloride FCC, FAO, WHO, E 508 with anti-caking agent

Purity and properties correspond to the requirements of the a.m. regulations (see enclosed table for values/limits)

Nature of Product: white crystals

Chemical Analysis:	w	typ.
• KCl, calculated with reference to the dried substance	%	99.1
• Loss on Drying (2 h, 105°C)	%	0.1
• Na	%	0.2
• Mg	mg/kg	100
• Ca	mg/kg	10
• SO ₄	mg/kg	100

Physical Properties:

- Bulk Density ca. 1,100 kg/m³
- Solubility in water w (KCl) = 25.5 % at 20 °C (68 °F)

Grain size:

- 0.1 - 0.6 mm

Available premixes with anti-caking agents:

- 0.8 % magnesium hydroxide carbonate
- 0.5 % silicon dioxide

Shelf life:

- Date of minimum durability: 5 years after production

Storage:

This product does not require any special temperature storage conditions. Store in the original package. The product is sensitive to moisture.

Packaging:

- FFS-PE bags 25 kg
- Big Bags

Application:

Our production is certified in accordance with IFS 6 food as well as kosher and halal.

The data given above is based on our continuous quality monitoring system. They do not exempt the user from his obligation to make an incoming inspection of the delivered product. The data are for information purposes and do not constitute any guarantee. It is the responsibility of the user to determine the product's suitability for his intended use.



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Limits for Potassium Chloride in the relevant regulations

Parameter	FCC	Codex Alimentarius	(EU) No. 231/2012 (E 508)
Assay, calculated with reference to the dried substance	≥ 99.0 % (≥ 98.0 % with additives)	≥ 99.0 %	≥ 99 %
Description	colorless, elongated, prismatic, or cubical crystals, or a white granular powder; stable in air; solution is neutral to litmus	colourless, elongated, prismatic, or cubical crystals, or white granular powder; odourless	colourless, elongated, prismatic or cubical crystals, or white granular powder; odourless
Solubility	one gram dissolves in 2.8 ml of water at 25°, and in about 2 ml of boiling water; with additives it may produce a cloudy solution or dissolve incompletely; insoluble in alcohol	freely soluble in water; insoluble in ethanol	freely soluble in water; insoluble in ethanol
Identification	a 1:20 solution gives positive tests for Potassium and for Chloride	passes tests for potassium and chloride	passes tests for potassium and chloride
Acidity or alkalinity	(without additives) no pink color with phenolphthalein, pink color after addition of 0.3 ml of 0.02 N NaOH	no pink color with phenolphthalein, pink color after addition of 0.3 ml of 0.02 N NaOH	-
Bromides	free from even a transient violet or a permanent orange color	free from even a transient violet or a permanent orange color	-
Iodides	-	-	-
Arsenic	-	-	≤ 3 mg/kg
Lead	-	≤ 2 mg/kg	≤ 2 mg/kg
Mercury	-	-	≤ 1 mg/kg
Cadmium	-	-	≤ 1 mg/kg
Heavy metals	≤ 5 mg/kg	-	-
Sodium	a 1:20 solution, tested on a platinum wire, does not impart a pronounced yellow color to a nonluminous flame (≤ 0.5 % with additives)	does not impart an intense yellow colour to a non-luminous flame	does not impart an intense yellow color to a non-luminous flame
Loss on drying	≤ 1.0 %	≤ 1 %	≤ 1 %

-: not specified

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