

Potassium chloride

Formula KCl

Regulatory and technical documentation FS 000058-160718

Appearance white crystalline powder

Quality indicator

Name of indicator	Standards
1. Description	White or almost crystalline powder or colorless crystals
2. Solubility	Easily soluble in water, practically insoluble in alcohol 96%
3. Authenticity	Gives a characteristic reaction to potassium and chloride
4. The transparency of the solution	Must be transparent
5. Colour of solution	Must be colorless
6. Acidity / alkalinity	Not more than 0.5 ml 0.1 M sodium hydroxide solution or not more than 0.5 ml 0.01 M hydrochloric acid solution
7. Magnesium and alkaline earth metals	Not more than 0.02% in terms of calcium
8. Barium	The turbidity of the substance solution should not exceed the turbidity of the reference solution
9. Ferrum	≤ 0,0003%
10. Heavy metal	≤ 0,0005 %
11. Sulfates	≤ 0,005 %
12. Sodium	≤ 0, 1 %
13. Ammonium	≤ 0,004 %
14. Weight loss on drying	≤ 1,0%
15. Arsenicum	≤ 0,00005%
16. Bromides	≤ 0,1%
17. Iodides	No blue staining
18. Bacterial endotoxins	≤ 0,12 EE of 1 mg substance
19. Microbiological purity	Category 1.2 B
20. Quantitative determination	≥ 99,5% KCl in terms of dry matter
21. Marking	In accordance with the regulatory documentation