



# MACCO ORGANIQUES INC.

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THE MANUFACTURING PROCESS OF THE PRODUCT BELOW IS COVERED BY A REGISTERED FSSC 22000 FOOD SAFETY SYSTEM

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## SPECIFICATIONS

### POTASSIUM CHLORIDE PHARMA

*For non-sterile uses only, not intended for injectable use unless further processed for that purpose.*

#### GENERAL

Molecular formula: KCl

CAS #: 7447-40-7

Molecular weight: 74.55 g/mol

#### Description

Colorless transparent crystals or granular crystalline or white powder.

#### Parameters

#### Methods

#### Specifications

<u>Parameters</u>	<u>Methods</u>	<u>Specifications</u>
Identification	USP, EP	Passes tests
Loss on drying	USP, EP	1.0% Max.
Assay (dry basis)	EP	99.0 to 101.0%
Assay (dry basis)	USP	99.0 to 100.5%
Sodium	USP	Passes test
Sodium	ICP-OES (QER-10-68)	0.1% Max.
Calcium and Magnesium	USP	Passes test
Acidity or alkalinity	USP, EP	Passes tests
Bromide(s)	USP, EP	0.1% Max.
Iodides	EP	Passes test
Iodide	USP	0.005% Max.
Magnesium and alkaline-earth metals	EP	200 ppm Max.
Appearance of solution	EP	Clear and colorless
Sulfates	EP	300 ppm Max.
Iron	EP	20 ppm Max.
Lead	ICP-OES (QER-10-263)	0.5 ppm max
Bacterial endotoxins	USP<85>	25 EU/g Max.
Total aerobic microbial count	USP<61>	100 CFU/g Max.
Total combined yeasts and molds count	USP<61>	10 CFU/g Max.
<i>E. coli, S. aureus, P. aeruginosa</i>	USP<62>	Absent

*Complies with the USP and EP requirements.*

**OVI and RS:** *This material conforms to the USP/NF limits for organic impurities. Based on our knowledge of the manufacturing process and on controlled handling and storage of the material, we acknowledge that there is no potential for introduction of residual solvents (RS) or organic volatile impurities (OVI) in the material, because, when used, the only solvent in our inorganic synthesis process is water.*

#### Packaging

25 kg multiwall paper bags.

25 kg boxes with Tyvek® liner and desiccant pouch.

#### Storage

Store in a dry place, in tight containers, for up to 12 months.

**Liability:** The information submitted in this document is based on current knowledge and experience. The information contained herein is furnished without warranty of any kind. Macco Organiques Inc. does not accept any liability whatsoever in respect of the use of this information nor in respect of use, application, adaptation or processing of the product described herein. The recommended times presented in this document may vary greatly depending on storage conditions.