

RT0226
17371
6/15/23

MORTON SALT
Morton Salt, Inc.



Certificate of Analysis

F11390000H 50LB USP Potassium Chloride KS



14-SEP-2022
Manufacturing Site
RITTMAN
151 South Industrial Ave, Rittman
OH, 44270-1593
Lawrence Woodward
Quality Control
0330/9253015

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Manufacturer:	Morton Salt, Inc.	Morton Batch No.:	RI22234022
Morton Order No.:	5102456423	Manufact. Date:	22-AUG-2022
Cust. Order No.:	122575		
Delivery /-Item No.:	5205885830 / 900003		
Quantity:	343 BAG	Shipping date:	14-SEP-2022

General information:

Appearance: **White** or almost white, crystalline powder or colorless crystals. Solubility: Freely soluble in water, practically insoluble in anhydrous ethanol.

Manufactured by K+S Minerals and Agriculture GmbH in Heringen, Germany. Packaged by Morton Salt Inc., Rittman, OH 44270. All analyses performed as per standards published in the most recent edition of the United States Pharmacopeia (USP) and the European Pharmacopoeia (Ph.Eur.) using validated methods. Analytical methods used have been validated to yield equivalent results as compared to USP methods.

Note: There are no Organic Volatile Impurities (OVI's) or Residual Solvents utilized in the USP KCl process, as identified in USP/NF. Residual solvents meets ICH guideline CHMP/ICH/82260/2006. This product complies with the USP requirements for Elemental Impurities. No metal catalysts or metal reagents are used in the manufacturing or processing of this product, and elemental impurities are monitored based upon a risk-based monitoring plan. Iodide, Barium, Loss on Drying, and Bromide not tested on each batch. USP/Ph.Eur. KCl is chemically stable; therefore, chemical stability is indefinite. Retest date is **three years from the date of manufacture**.

Parameter	Result
Appearance of Solution	pass
Acidity/Alkalinity	pass
Bromide	pass
Sulphate	8 mg/kg
Aluminum	<0.1 mg/kg
Iron	<0.1 mg/kg
Calcium and Magnesium	pass
Sodium	37 mg/kg
Loss on Drying	pass
Identity Reaction	pass
Iodide acc. Ph. Eur.	pass
Iodide acc. USP	<3 mg/kg
Barium acc. Ph. Eur.	pass
Lead	<0.5 mg/kg
Thallium	pass

This certificate does not relieve the purchaser from examining the product upon delivery and gives no assurance of suitability of the product for any particular purpose.

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Parameter	Result
Assay (Dried Basis)	100.0 %

Shipping Plant: 151 South Industrial Ave , Rittman, OH, 44270-1593

Electronically released by Lawrence Woodward Quality Supervisor on 31-AUG-2022

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