

Offer Sheet

Product	Sodium Chloride
Quantity	20 pallets
Net weight	28,095 lbs.
Manufacture date	
Availability	One time
Location	FOB North Chicago, IL 60064
Date	4/25/25
COA & SDS	Attached below



Brian Svrusis
Solvent Systems International
70 King St.
Elk Grove Village, IL 60007
847-323-6718 call or text
Click here for: [Surplus Inventory](#)
Solvent-Systems.com



SAFETY DATA SHEET

SODIUM CHLORIDE USP

1. PRODUCT IDENTIFICATION

24 Hr Emergency Telephone Number:

CANUTEC: 1-888-226-8832 within US and Canada
For Outside US and Canada: (1-613)-996-6666

CHEMTREC: 1-800-424-9300 within US
*Please refer to Sec.16 for Authorized Distributors

Product Code: S240
CAS number: 7647-14-5
Molecular Weight : 58.44
Formula: NaCl
Synonyms: Salt; Rock Salt; Saline; Table Salt

2. HAZARD(S) IDENTIFICATION

Emergency Overview

WHMIS Classification
Not regulated.

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

HMIS Classification

Health hazard: 1
Flammability: 0
Physical hazards: 0

Potential Health Effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.
Skin May be harmful if absorbed through skin. Causes skin irritation.
Eyes May cause eye irritation.
Ingestion May be harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CAS-No.	EC-No.	Index No.	Concentration
Sodium Chloride 7647-14-5	231-598-3	-	>99%

4. FIRST-AID MEASURES

Inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Consult a physician.

Skin:

Wash with plenty of water and soap.

Eyes:

Rinse eyes with water as a precaution.

Ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Conditions of flammability:

Not flammable or combustible.

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

Hazardous combustion products:

Hazardous decomposition products formed under fire conditions; sodium oxides, hydrogen chloride gas.

Explosion data - sensitivity to mechanical impact:

No data available.

Explosion data - sensitivity to static discharge:

No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid dust formation. Avoid breathing vapors, spray mists or gases.

Environmental precautions:

Do not let product enter drains.

Methods and materials for containment and cleaning up:

Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage:

Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROL/ PERSONAL PROTECTION

Airborne Exposure Limits:

None established.

Ventilation System:

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White crystals.	Boiling Point: 1413°C (2575°F)
Odor: Odorless.	Melting Point: 801°C (1474°F)
Solubility: 36g/100cc water @ 20°C (68°F)	Vapor Density (Air=1): No information found.
Specific Gravity: 2.16	Vapor Pressure (mm Hg): 1.0 @ 865°C (1589°F)
pH: 6.7 - 7.3 (aqueous solution)	Evaporation Rate (BuAc=1): No information found.
% Volatiles by volume @ 21°C (70°F): 0	

10. STABILITY AND REACTIVITY

Chemical stability:
Stable under recommended storage conditions.

Possibility of hazardous reactions:
No data available.

Conditions to avoid:
No data available.

Materials to avoid:
Strong oxidizers.

Hazardous decomposition products:
Hazardous decomposition products formed under fire conditions; sodium oxides, hydrogen chloride gas.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:
Oral LD50: LD50 Oral - Rat - 3,550 mg/kg
Inhalation LC50: LC50 Inhalation - Rat - 1h - >42,000 mg/m³
Dermal LD50: LD50 Dermal - Rabbit - >10,000 mg/kg
Other information on acute toxicity: No data available.

Skin corrosion/irritation:
No data available.

Serious eye damage/eye irritation:
Eyes: No data available.

Respiratory or skin sensitisation:
No data available.

Germ cell mutagenicity:
No data available.

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Reproductive toxicity:
No data available.

Teratogenicity:

No data available.

Specific target organ toxicity - single exposure (Globally Harmonized System):
No data available.

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
No data available.

Aspiration hazard:
No data available.

Potential Health Effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

Signs and Symptoms of Exposure:

Vomiting, Diarrhea, Dehydration and congestion may occur in internal organs. Hypertonic saline solutions may produce inflammatory reactions of the gastrointestinal tract.

Synergistic effects:
No data available

12. ECOLOGICAL INFORMATION

Toxicity:

Toxicity to fish

LC50 - *Lepomis macrochirus* - 5,840 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates

NOEC - *Daphnia* (*Daphnia*) - 1,500 mg/l - 7 d

LC50 - *Daphnia magna* (*Great Daphnia*) - 1,661 mg/l - 48 h

Persistence and degradability:
No data available.

Bioaccumulative potential:
No data available.

Mobility in soil:
No data available.

PBT and vPvB assessment:
No data available.

Other adverse effects:
No data available

13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

Dispose of container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

The following information has been verified for: D.O.T., I.M.D.G.(US), I.M.O.(Can), I.A.T.A.(US) & I.C.A.O.(Can);
Not regulated.

15. REGULATORY INFORMATION

WHMIS Classification:

Not regulated.

This SDS has been prepared according to the hazard criteria of

the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

16. OTHER INFORMATION

Last Revision 9/26/2019

Disclaimer:

We provide the information contained herein in good faith but make no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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ICL SPECIALTY PRODUCTS INC
 CUSTOMER SERVICE CENTER
 622 EMERSON RD., SUITE 500
 CREVE COEUR, MO, 63141-6742

Certificate of Analysis

1 of 1

Shipped to: MAYS CHEMICAL CO 5611 E 71st St Indianapolis IN 46220-3920	Seller Order # : 1511435 Customer Sales Order #: 105202 Container ID : 5368
Ship Date: March-05-24	Certificate Date: March-05-24

Our Product: Tripotassium Phosphate Anhydrous (TKPA), Code 108, Food Grade, 50 LB Bag, Food Ingredient
Customer Product: 105370018-2100
 NSF® 60 - Certified to NSF/ANSI/CAN Standard 60 by NSF International Max use 22 mg/l
 FCC Grade - Complies with the current specifications of the Food Chemical Codex
 This product is certified Kosher, see certificate for details.

PROPERTY INSPECTION METHOD	SPECIFICATION	LOT/MFG.DT/BEST BEFORE DT
		221106179 Nov-27-23 May-28-25
Alkalinity weight, %	41.0 - 45.0 %	44.3
Appearance	Pass	Pass
Arsenic, ppm, Guaranteed	<= 3 PPM	<= 3 PPM
Assay, %	97.0 - 100.5 %	98.8
Fluoride, ppm, Guaranteed	<= 10 PPM	<= 10 PPM
Insolubles, % Guaranteed	<= 0.2 %	<= 0.2 %
Lead, ppm, Guaranteed	<= 2 PPM	<= 2 PPM
Loss On Ignition, %	5.0 % Max	0.2
P2O5, %	31.5 - 34.0 %	33.0

I-Lot: 010002889194 Batch: 1001289652
 Material: 20009752 Amount: 100 g
 Lab Location: 1195_QC-TL60 Storage: N/A
 POTASSIUM PHOSPHATE TRIBASIC
 NC Raw Materials Lab
 GLCA2024005420 Run#: Misc Raw Material
 10916075 221106179

Handwritten: Gary Smith 3-19-24

Guaranteed analysis checked at intervals according to plant schedule.
 Note: Equivalent Units of Measure: mg/kg = ppm; µg/kg = ppb
FOR CUSTOMER SERVICE PLEASE CALL: (800) 244-6169
 Authorized By: Wojtyla Moreira - Quality and Food Safety Manager
 CARONDELET PLANT, 8201 IDAHO AVE., SAINT LOUIS, MO, 63111

MCC PRODUCT CODE #
105370018
 DISTRIBUTED BY
 MAYS CHEMICAL CO, INC.

Wojtyla K. Moreira

Attached to: CP-Dnev-963765-10.0-0085
8-Feb 04 APR 2024

Carlos Pacheco

Verified By: D. Clement 06 Apr 2024
 Daniella Clement

MORTON SALT
Morton Salt, Inc.

Certificate of Analysis

F113820000H 50Lb USP Salt Paper

PO 4300170329
Code 20026086
WLS Job 4415

UNIVAR USA
7425 E 30TH ST
INDIANAPOLIS IN 46219-1110
USA

29-JUL-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.:	Ri22178996
Morton Order No.:	5102426591	Manufact. Date:	26-JUN-2022
Cust. Order No.:	4525661719		
Delivery /Item No.:	5205848942 / 000010		
Quantity:	245 BAG	Shipping date:	28-JUL-2022

General Information:

All analysis performed on Sodium Chloride as per standards published in the current United States Pharmacopoeia (USP). This product complies with the USP requirements for Residual Solvents and Elemental Impurities. No solvents, 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. This product is chemically stable; therefore, chemical stability is indefinite. Retest date is three years from the date of manufacture.

Parameter	Result	Specification
USP Loss on Drying	0.130 %	<= 0.500 %
USP Bromides	<100 ppm	<= 100 ppm
USP Iodides	pass	Pass Test
USP Aluminum	<0.05 ppm	<= 0.20 ppm
USP Magn. & Alkal.-Earth metals	4 ppm	<= 100 ppm
USP Arsenic	<1 ppm	<= 1 ppm
USP Iron	<1 ppm	<= 2 ppm
USP Barium	pass	Equally clear
USP Ferrocyanide	pass	Pass Test
USP Sulfate	<200 ppm	<= 200 ppm
USP Nitrites max. sol. absorb.	0.00	<= 0.01
USP Phosphates	<25 ppm	<= 25 ppm
USP Potassium	37 ppm	<= 500 ppm
USP Heavy metals	<2 ppm	<= 5 ppm
USP Assay	99.5 %	99.0 .. 100.5 %
USP Acidity or Alkalinity	pass	Pass Test
USP Appearance of Solution	pass	Clear Colorless
USP Bacterial endotoxin	<2.5 IU/g	<= 2.5 IU/g
USP Identification - Sodium	pass	Pass Test
USP Identification - Chloride	pass	Pass Test

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

Electronically released by Lawrence Woodward Quality Supervisor on 27-JUN-2022

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.

I-Lot: 010001877676

Material:

20026086

Lab Location:

1195_QC-TL60

Sodium Chloride, USP

NC-Raw Materials Lab

GLCA2022016652



3880159

Batch: 1000530602

NC-Raw Materials Lab

Amount:

360 g

Storage:

Well Closed Contain*

Run#:

Misc Raw Material

RI22176996

Product No: 629274

Lot No: RI20161808
Cust: WLS ENTERPRISES INC
Qty/Lot/UOM: 119 00 BG

Cust PO No: 6106-3814
SONo: IN885236
Attention To: RECEIVING RECEIVING

PO: 4300140403
Code: 20026086
WLS Job: 3814

MN # 20026086
Batch: 1000414418
Spiled: 2264006
Attached to
DT-003676879

MORTON SALT
Morton Salt, Inc.

Certificate of Analysis

F113850000H 80Lb USP Salt Paper

UNIVAR USA
8500 W 68th St
Bedford Park IL 60501-1844
USA

21-SEP-2020
Manufacturing Site
RITTMAN
151 Industrial Ave, Rittman
OH, 44270-1593
Russell Hudkins
Quality Control
0330/9253015

Pracel 17 Dec 2020
Prakesh Pracel

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Manufacturer:	Morton Salt, Inc.	Morton Batch No.:	RI20161808
Morton Order No.:	5102019004	Manufact. Date:	10-JUN-2020
Cust. Order No.:	CB-236461		
Delivery /-Item No.:	5204763222 / 000040		
Quantity:	90 BAG	Shipping date:	21-SEP-2020

General information:

All analysis performed on Sodium Chloride as per standards published in the current United States Pharmacopeia (USP). This product complies with the USP requirements for Residual Solvents and Elemental Impurities. No solvents, 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. This product is chemically stable; therefore, chemical stability is indefinite.

Parameter	Result	Specification
USP Loss on Drying	0.300 %	<= 0.500 %
USP Bromides	<100 ppm	<= 100 ppm
USP Iodides	pass	Pass Test
USP Aluminum	<0.05 ppm	<= 0.20 ppm
USP Magn. & Alkal.-Earth metals	4 ppm	<= 100 ppm
USP Arsenic	<1 ppm	<= 1 ppm
USP Iron	<1 ppm	<= 2 ppm
USP Barium	pass	Equally clear
USP Ferrocyanide	pass	Pass Test
USP Sulfate	<200 ppm	<= 200 ppm
USP Nitrites max. sol. absorb.	0.00	<= 0.01
USP Phosphates	<25 ppm	<= 25 ppm
USP Potassium	43 ppm	<= 500 ppm
USP Heavy metals	<2 ppm	<= 5 ppm
USP Assay	99.3 %	99.0 .. 100.5 %
USP Acidity or Alkalinity	pass	Pass Test
USP Appearance of Solution	pass	Clear Colorless
USP Bacterial endotoxin	<2.5 IU/g	<= 2.5 IU/g
USP Identification - Sodium	pass	Pass Test
USP Identification - Chloride	pass	Pass Test

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

Electronically released by Russell Hudkins Quality Assurance Manager on 11-JUN-2020

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.

I-Lot: 010001812009

Batch: 1000519738

NC-Raw Materials Lab

Material:

Amount:

20026086

360 g

Lab Location:

Storage:

1195_QC-TL60

Well Closed Contain*

Sodium Chloride, USP

NC-Raw Materials Lab

GLCA2022013031

Run#:

Misc Raw Material



3466792

RI22113867

MORTON SALT
 Morton Salt, Inc.


Certificate of Analysis

F113820000H 50Lb USP Salt Paper

 UNIVAR USA
 7425 E 30TH ST
 INDIANAPOLIS IN 46219-1110
 USA

 27-APR-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.:	RI22113867
Morton Order No.:	5102379316	Manufact. Date:	23-APR-2022
Cust. Order No.:	4525469581		
Delivery /-Item No.:	5205774544 / 000020		
Quantity:	539 BAG	Shipping date:	27-APR-2022

General information:

All analysis performed on Sodium Chloride as per standards published in the current United States Pharmacopeia (USP). This product complies with the USP requirements for Residual Solvents and Elemental Impurities. No solvents, 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. This product is chemically stable; therefore, chemical stability is indefinite. Retest date is three years from the date of manufacture.

Parameter	Result	Specification
USP Loss on Drying	0.060 %	<= 0.500 %
USP Bromides	<100 ppm	<= 100 ppm
USP Iodides	pass	Pass Test
USP Aluminum	<0.05 ppm	<= 0.20 ppm
USP Magn.& Alkal.-Earth metals	8 ppm	<= 100 ppm
USP Arsenic	<1 ppm	<= 1 ppm
USP Iron	<1 ppm	<= 2 ppm
USP Barium	pass	Equally clear
USP Ferrocyanide	pass	Pass Test
USP Sulfate	<200 ppm	<= 200 ppm
USP Nitrites max. sol. absorb.	0.00	<= 0.01
USP Phosphates	<25 ppm	<= 25 ppm
USP Potassium	94 ppm	<= 500 ppm
USP Heavy metals	<2 ppm	<= 5 ppm
USP Assay	99.7 %	99.0 .. 100.5 %
USP Acidity or Alkalinity	pass	Pass Test
USP Appearance of Solution	pass	Clear Colorless
USP Bacterial endotoxin	<2.5 IU/g	<= 2.5 IU/g
USP Identification - Sodium	pass	Pass Test
USP Identification - Chloride	pass	Pass Test

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

Electronically released by Lawrence Woodward Quality Supervisor on 25-APR-2022

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.

I-Lot: 010001812011

Batch: 1000519743

NC-Raw Materials Lab

Material:

20026086

Amount:

360 g

Lab Location:

1195_QC-TL60

Storage:

Well Closed Contain*

Sodium Chloride, USP

NC-Raw Materials Lab

GLCA2022013032

Run#:

Misc Raw Material



3466795

RI22084048

MORTON SALT
Morton Salt, Inc.

Certificate of Analysis

F113820000H 50Lb USP Salt Paper

07-APR-2022

Manufacturing SiteRITTMAN
151 South Industrial Ave, Rittman
OH, 44270 1593
Lawrence Woodward
Quality Control
0330/9253015UNIVAR USA
7425 E 30TH ST
INDIANAPOLIS IN 46219-1110
USA

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Manufacturer:	Morton Salt, Inc.	Morton Batch No.:	RI22084048
Morton Order No.:	5102346868	Manufact. Date:	25-MAR-2022
Cust. Order No.:	4525347994		
Delivery /-Item No:	5205750539 / 000040		
Quantity:	245 BAG	Shipping date:	06-APR-2022

General information:

All analysis performed on Sodium Chloride as per standards published in the current United States Pharmacopeia (USP). This product complies with the USP requirements for Residual Solvents and Elemental Impurities. No solvents, 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. This product is chemically stable; therefore, chemical stability is indefinite. Retest date is three years from the date of manufacture.

Parameter	Result	Specification
USP Loss on Drying	0.010 %	<= 0.500 %
USP Bromides	<100 ppm	<= 100 ppm
USP Iodides	pass	Pass Test
USP Aluminum	<0.05 ppm	<= 0.20 ppm
USP Magn.& Alkal.-Earth metals	8 ppm	<= 100 ppm
USP Arsenic	<1 ppm	<= 1 ppm
USP Iron	<1 ppm	<= 2 ppm
USP Barium	pass	Equally clear
USP Ferrocyanide	pass	Pass Test
USP Sulfate	<200 ppm	<= 200 ppm
USP Nitrites max. sol. absorb.	0.00	<= 0.01
USP Phosphates	<25 ppm	<= 25 ppm
USP Potassium	149 ppm	<= 500 ppm
USP Heavy metals	<2 ppm	<= 5 ppm
USP Assay	99.2 %	99.0 .. 100.5 %
USP Acidity or Alkalinity	pass	Pass Test
USP Appearance of Solution	pass	Clear Colorless
USP Bacterial endotoxin	<2.5 IU/g	<= 2.5 IU/g
USP Identification - Sodium	pass	Pass Test
USP Identification - Chloride	pass	Pass Test

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

Electronically released by Lawrence Woodward Quality Supervisor on 28-MAR-2022

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.

MORTON SALT
Morton Salt, Inc.PO 4300156987
Code 20026086
WLS Job 4154

Certificate of Analysis

F113820000H 50Lb USP Salt PaperUNIVAR USA
7425 E 30TH ST
INDIANAPOLIS IN 46219-1110
USA25-JAN-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.:	RI21364808
Morton Order No.:	5102321937	Manufact. Date:	31-DEC-2021
Cust. Order No.:	4525267509		
Delivery /-Item No.:	5205532715 / 900004		
Quantity:	196 BAG	Shipping date:	25-JAN-2022

General information:

All analysis performed on Sodium Chloride as per standards published in the current United States Pharmacopeia (USP). This product complies with the USP requirements for Residual Solvents and Elemental Impurities. No solvents, 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. This product is chemically stable; therefore, chemical stability is indefinite. Retest date is three years from the date of manufacture.

Parameter	Result	Specification
USP Loss on Drying	0.060 %	<= 0.500 %
USP Bromides	<100 ppm	<= 100 ppm
USP Iodides	pass	Pass Test
USP Aluminum	<0.05 ppm	<= 0.20 ppm
USP Magn.& Alkal.-Earth metals	8 ppm	<= 100 ppm
USP Arsenic	<1 ppm	<= 1 ppm
USP Iron	<1 ppm	<= 2 ppm
USP Barium	pass	Equally clear
USP Ferrocyanide	pass	Pass Test
USP Sulfate	<200 ppm	<= 200 ppm
USP Nitrites max. sol. absorb.	0.00	<= 0.01
USP Phosphates	<25 ppm	<= 25 ppm
USP Potassium	31 ppm	<= 500 ppm
USP Heavy metals	<2 ppm	<= 5 ppm
USP Assay	99.8 %	99.0 .. 100.5 %
USP Acidity or Alkalinity	pass	Pass Test
USP Appearance of Solution	pass	Clear Colorless
USP Bacterial endotoxin	<2.5 IU/g	<= 2.5 IU/g
USP Identification - Sodium	pass	Pass Test
USP Identification - Chloride	pass	Pass Test

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

Electronically released by Lawrence Woodward Quality Supervisor on 04-JAN-2022

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.

I-Lot: 010001676079

Batch: 1000492120

Material:

NC-Raw Materials Lab

20026086

Amount:

360 g

Lab Location:

Storage:

Well Closed Contain*

1195_QC-TL60

Sodium Chloride, USP

NC-Raw Materials Lab

GLCA2022004447

Run#:

Misc Raw Material



3210842

RI21364808

MORTON SALT
Morton Salt, Inc.



Certificate of Analysis

F113820000H 50Lb USP Salt Paper

UNIVAR USA
7425 E 30TH ST
INDIANAPOLIS IN 46219-1110
USA

02-JUL-2021
Manufacturing Site
RITTMAN
151 South Industrial Ave, Rittman
OH, 44270-1593
Lawrence Woodward
Quality Control
0330/9253015

PO 4201900269
WLS Job 4437

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Manufacturer:	Morton Salt, Inc.	Morton Batch No.:	RI21169030
Morton Order No.:	5102202251	Manufact. Date:	18-JUN-2021
Cust. Order No.:	4524804106		
Delivery /-Item No.:	5205236283 / 000010		
Quantity:	735 BAG	Shipping date:	02-JUL-2021

General information:

All analysis performed on Sodium Chloride as per standards published in the current United States Pharmacopeia (USP). This product complies with the USP requirements for Residual Solvents and Elemental Impurities. No solvents, 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. This product is chemically stable; therefore, chemical stability is indefinite. Retest date is three years from the date of manufacture.

Parameter	Result	Specification
USP Loss on Drying	0.080 %	<= 0.500 %
USP Bromides	<100 ppm	<= 100 ppm
USP Iodides	pass	Pass Test
USP Aluminum	<0.05 ppm	<= 0.20 ppm
USP Magn. & Alkal.-Earth metals	4 ppm	<= 100 ppm
USP Arsenic	<1 ppm	<= 1 ppm
USP Iron	<1 ppm	<= 2 ppm
USP Barium	pass	Equally clear
USP Ferrocyanide	pass	Pass Test
USP Sulfate	<200 ppm	<= 200 ppm
USP Nitrites max. sol. absorb.	0.00	<= 0.01
USP Phosphates	<25 ppm	<= 25 ppm
USP Potassium	37 ppm	<= 500 ppm
USP Heavy metals	<2 ppm	<= 5 ppm
USP Assay	100.5 %	99.0 .. 100.5 %
USP Acidity or Alkalinity	pass	Pass Test
USP Appearance of Solution	pass	Clear Colorless
USP Bacterial endotoxin	<2.5 IU/g	<= 2.5 IU/g
USP Identification - Sodium	pass	Pass Test
USP Identification - Chloride	pass	Pass Test

Procc 18 May 2022

Batch: 1000510342
NC-Raw Materials Lab
Amount: 360 g
Storage: Well Closed Contain*
Run#: Misc Raw Material
RI21169030
I-Lot: 010001768474
Material: 20026086
Lab Location: 1195_OC-TL60
Sodium Chloride, USP
NC-Raw Materials Lab
GLCA2022010818
3386027

Procc 18 May 2022

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

Electronically released by Lawrence Woodward Quality Supervisor on 21-JUN-2021

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.

MORTON SALT
Morton Salt, Inc.



PO 4300156988
Code 20026086
WLS Job 4155

Certificate of Analysis

F113820000H 50Lb USP Salt Paper

UNIVAR USA
7425 E 30TH ST
INDIANAPOLIS IN 46219-1110
USA

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

Page 1/1

Manufacturer:	Morton Salt, Inc.	Morton Batch No.:	RI22084048
Morton Order No.:	5102346868	Manufact. Date:	25-MAR-2022
Cust. Order No.:	4525347994		
Delivery /-Item No.:	5205750539 / 000040		
Quantity:	245 BAG	Shipping date:	06-APR-2022

General information:

All analysis performed on Sodium Chloride as per standards published in the current United States Pharmacopeia (USP). This product complies with the USP requirements for Residual Solvents and Elemental Impurities. No solvents, 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. This product is chemically stable; therefore, chemical stability is indefinite. Retest date is three years from the date of manufacture.

Parameter	Result	Specification
USP Loss on Drying	0.010 %	≤ 0.500 %
USP Bromides	<100 ppm	≤ 100 ppm
USP Iodides	pass	Pass Test
USP Aluminum	<0.05 ppm	≤ 0.20 ppm
USP Magn. & Alkal.-Earth metals	8 ppm	≤ 100 ppm
USP Arsenic	<1 ppm	≤ 1 ppm
USP Iron	<1 ppm	≤ 2 ppm
USP Barium	pass	Equally clear
USP Ferrocyanide	pass	Pass Test
USP Sulfate	<200 ppm	≤ 200 ppm
USP Nitrites max. sol. absorb.	0.00	≤ 0.01
USP Phosphates	<25 ppm	≤ 25 ppm
USP Potassium	149 ppm	≤ 500 ppm
USP Heavy metals	<2 ppm	≤ 5 ppm
USP Assay	99.2 %	99.0 .. 100.5 %
USP Acidity or Alkalinity	pass	Pass Test
USP Appearance of Solution	pass	Clear Colorless
USP Bacterial endotoxin	<2.5 IU/g	≤ 2.5 IU/g
USP Identification - Sodium	pass	Pass Test
USP Identification - Chloride	pass	Pass Test

Procd 18 May 2022

Batch: 1000510357
NC-Raw Materials Lab
Amount: 360 g
Storage: Well Closed Contain*
Run#: Misc Raw Material
R122084048

I-Lot: 010001768478
Material: 20026086
Lab Location: 1195_QC-TL60
Sodium Chloride, USP
NC-Raw Materials Lab
GLCA2022010822
3386040



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

Electronically released by Lawrence Woodward Quality Supervisor on 28-MAR-2022

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.

MORTON SALT
Morton Salt, Inc.

PO 4300169540
Code 20026086
WLS Job 4408

Certificate of Analysis

F11382000H 50Lb USP Salt Paper

UNIVAR USA
7425 E 30TH ST
INDIANAPOLIS IN 46219-1110
USA

01-DEC-2021
Manufacturing Site
RITTMAN
151 South Industrial Ave, Rittman
OH, 44270 1593
Lawrence Woodward
Quality Control
0330/9253015

Page 1/1

Manufacturer:	Morton Salt, Inc.	Morton Batch No.:	RI21183808
Morton Order No.:	5102280462	Manufact. Date:	03-JUL-2021
Cust. Order No.:	4525139725		
Delivery /-Item No.:	5205380425 / 900003		
Quantity:	47 BAG	Shipping date:	01-DEC-2021

General information:

All analysis performed on Sodium Chloride as per standards published in the current United States Pharmacopeia (USP). This product complies with the USP requirements for Residual Solvents and Elemental Impurities. No solvents, 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. This product is chemically stable; therefore, chemical stability is indefinite. Retest date is three years from the date of manufacture.

Parameter	Result	Specification
USP Loss on Drying	0.040 %	≤ 0.500 %
USP Bromides	<100 ppm	≤ 100 ppm
USP Iodides	pass	Pass Test
USP Aluminum	<0.05 ppm	≤ 0.20 ppm
USP Magn. & Alkal.-Earth metals	10 ppm	≤ 100 ppm
USP Arsenic	<1 ppm	≤ 1 ppm
USP Iron	<2 ppm	≤ 2 ppm
USP Barium	pass	Equally clear
USP Ferrocyanide	pass	Pass Test
USP Sulfate	<200 ppm	≤ 200 ppm
USP Nitrites max. sol. absorb.	0.00	≤ 0.01
USP Phosphates	<25 ppm	≤ 25 ppm
USP Potassium	38 ppm	≤ 500 ppm
USP Heavy metals	<2 ppm	≤ 5 ppm
USP Assay	99.4 %	99.0 .. 100.5 %
USP Acidity or Alkalinity	pass	Pass Test
USP Appearance of Solution	pass	Clear Colorless
USP Bacterial endotoxin	<2.5 IU/g	≤ 2.5 IU/g
USP Identification - Sodium	pass	Pass Test
USP Identification - Chloride	pass	Pass Test

Proced 15 May 2022

Batch: 1000505621
NC-Raw Materials Lab
Amount: 360 g
Storage: Well Closed Container*Run#: R121183808
Misc Raw Material

Proced 13 May 2022

I-Lot: 010001733015
Material: 20026086
Lab Location: 1195_QC-TL60
Sodium Chloride, USP
NC-Raw Materials Lab
GLCA2022009448
3348091

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

Electronically released by Lawrence Woodward Quality Supervisor on 06-JUL-2021

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.

MORTON SALT
Morton Salt, Inc.

PO: 4300169540
Code: 20026086
WLS JOB: 4408

Certificate of Analysis

F11382000H 50Lb USP Salt Paper

UNIVAR USA
7425 E 30TH ST
INDIANAPOLIS IN 46219-1110
USA

02-JUL-2021
Manufacturing Site
RITTMAN
151 South Industrial Ave. Rittman
OH. 44270 1593
Lawrence Woodward
Quality Control
0330/9253015

Page 1/1

Manufacturer:	Morton Salt, Inc.	Morton Batch No	RI21169030
Morton Order No.:	5102202251	Manufact. Date:	18-JUN-2021
Cust. Order No.:	4524804106		
Delivery /Item No.:	5205236283 / 000010		
Quantity:	735 BAG	Shipping date	02-JUL-2021

General information.

All analysis performed on Sodium Chloride as per standards published in the current United States Pharmacopeia (USP). This product complies with the USP requirements for Residual Solvents and Elemental Impurities. No solvents, 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. This product is chemically stable; therefore, chemical stability is indefinite. Retest date is three years from the date of manufacture.

Parameter	Result	Specification
USP Loss on Drying	0.080 %	<= 0.500 %
USP Bromides	<100 ppm	<= 100 ppm
USP Iodides	pass	Pass Test
USP Aluminum	<0.05 ppm	<= 0.20 ppm
USP Magn. & Alkal.-Earth metals	4 ppm	<= 100 ppm
USP Arsenic	<1 ppm	<= 1 ppm
USP Iron	<1 ppm	<= 2 ppm
USP Barium	pass	Equally clear
USP Ferrocyanide	pass	Pass Test
USP Sulfate	<200 ppm	<= 200 ppm
USP Nitrites max. sol. absorb.	0.00	<= 0.01
USP Phosphates	<25 ppm	<= 25 ppm
USP Potassium	37 ppm	<= 500 ppm
USP Heavy metals	<2 ppm	<= 5 ppm
USP Assay	100.5 %	99.0 .. 100.5 %
USP Acidity or Alkalinity	pass	Pass Test
USP Appearance of Solution	pass	Clear Colorless
USP Bacterial endotoxin	<2.5 IU/g	<= 2.5 IU/g
USP Identification - Sodium	pass	Pass Test
USP Identification - Chloride	pass	Pass Test

Trace 13 May 2022

Batch: 1000505630
NC-Raw Materials Lab
Amount: 360 g
Storage: Well Closed Contain*
Run#: Misc Raw Material
RI21169030

Lot: 010001733020
Material: 20026086
Lab Location: 1195_QC-TL60
Sodium Chloride, USP
NC-Raw Materials Lab
GLCA2022009451
3348110

Trace 15 May 2022

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

Electronically released by Lawrence Woodward Quality Supervisor on 21-JUN-2021

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

MORTON SALT
Morton Salt, Inc.

PO 4300169540
Code 20026086
WLS Job 4408

Certificate of Analysis

F113820000H 50Lb USP Salt Paper

UNIVAR USA
7425 E 30TH ST
INDIANAPOLIS IN 46219-1110
USA

25-JAN-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.:	RI21335004
Morton Order No.:	5102321937	Manufact. Date:	01-DEC-2021
Cust. Order No.:	4525267509		
Delivery /-Item No.:	5205532715 / 900003		
Quantity:	98 BAG	Shipping date:	25-JAN-2022

General information:

All analysis performed on Sodium Chloride as per standards published in the current United States Pharmacopeia (USP). This product complies with the USP requirements for Residual Solvents and Elemental Impurities. No solvents, 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. This product is chemically stable; therefore, chemical stability is indefinite. Retest date is three years from the date of manufacture.

Parameter	Result	Specification
USP Loss-on Drying	0.080 %	<= 0.500 %
USP Bromides	<100 ppm	<= 100 ppm
USP Iodides	pass	Pass Test
USP Aluminum	<0.05 ppm	<= 0.20 ppm
USP Magn. & Alkal.-Earth metals	8 ppm	<= 100 ppm
USP Arsenic	<1 ppm	<= 1 ppm
USP Iron	<1 ppm	<= 2 ppm
USP Barium	pass	Equally clear
USP Ferrocyanide	pass	Pass Test
USP Sulfate	<200 ppm	<= 200 ppm
USP Nitrites max. sol. absorb.	0.00	<= 0.01
USP Phosphates	<25 ppm	<= 25 ppm
USP Potassium	59 ppm	<= 500 ppm
USP Heavy metals	<2 ppm	<= 5 ppm
USP Assay	99.6 %	99.0 .. 100.5 %
USP Acidity or Alkalinity	pass	Pass Test
USP Appearance of Solution	pass	Clear Colorless
USP Bacterial endotoxin	<2.5 IU/g	<= 2.5 IU/g
USP Identification - Sodium	pass	Pass Test
USP Identification - Chloride	pass	Pass Test

Print 18 May 2022

Batch: 1000505629
NC-Raw Materials Lab
Amount: 360 g
Storage: Well Closed Contain*
Run#: Misc Raw Material RI21335004

i-Lot: 010001733018
Material: 20026086
Lab Location: 1195_QC-TL60
Sodium Chloride, USP
NC-Raw Materials Lab
GLCA2022009450
3348109

Print 18 May 2022

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

Electronically released by Lawrence Woodward Quality Supervisor on 06-DEC-2021

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.

MORTON SALT
Morton Salt, Inc.

PO 4300169540
Code 20026086
WLS Job 4408

Certificate of Analysis

F11382000H 50Lb USP Salt Paper

UNIVAR USA
7425 E 30TH ST
INDIANAPOLIS IN 46219-1110
USA

01-DEC-2021
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.:	RI21238010
Morton Order No.:	5102280462	Manufact. Date:	26-AUG-2021
Cust. Order No.:	4525139725		
Delivery /-Item No.:	5205380425 / 900004		
Quantity:	46 BAG	Shipping date:	01-DEC-2021

General information:

All analysis performed on Sodium Chloride as per standards published in the current United States Pharmacopeia (USP). This product complies with the USP requirements for Residual Solvents and Elemental Impurities. No solvents, 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. This product is chemically stable; therefore, chemical stability is indefinite. Retest date is three years from the date of manufacture.

Parameter	Result	Specification
USP Loss on Drying	0.070 %	<= 0.500 %
USP Bromides	<100 ppm	<= 100 ppm
USP Iodides	pass	Pass Test
USP Aluminum	0.05 ppm	<= 0.20 ppm
USP Magn. & Alkal.-Earth metals	8 ppm	<= 100 ppm
USP Arsenic	<1 ppm	<= 1 ppm
USP Iron	<1 ppm	<= 2 ppm
USP Barium	pass	Equally clear
USP Ferrocyanide	pass	Pass Test
USP Sulfate	<200 ppm	<= 200 ppm
USP Nitrites max. sol. absorb.	0.00	<= 0.01
USP Phosphates	<25 ppm	<= 25 ppm
USP Potassium	64 ppm	<= 500 ppm
USP Heavy metals	<2 ppm	<= 5 ppm
USP Assay	99.5 %	99.0 .. 100.5 %
USP Acidity or Alkalinity	pass	Pass Test
USP Appearance of Solution	pass	Clear Colorless
USP Bacterial endotoxin	<2.5 IU/g	<= 2.5 IU/g
USP Identification - Sodium	pass	Pass Test
USP Identification - Chloride	pass	Pass Test

Proced 18 May 2022

Batch: 1000505631
NC-Raw Materials Lab
Amount: 360 g
Storage: Well Closed Contain*
Run#: Misc Raw Material
RI21238010

I-Lot: 010001733022
Material: 20026086
Lab Location: 1195_QC-TL60
Sodium Chloride, USP
NC-Raw Materials Lab
GLCA2022009457
3348117



Proced 18 May 2022

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

Electronically released by Lawrence Woodward Quality Supervisor on 30-AUG-2021

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MM* 20026086

Batch: 1000590170

Sp. ed: 13715733

Attached to DT-004248609

Page 30 Oct 2022

Takest paper

MORTON SALT

Morton Salt, Inc.



Certificate of Analysis

F113820000H 50Lb USP Salt Paper

UNIVAR USA
7425 E 30TH ST
INDIANAPOLIS IN 46219-1110
USA

PO 4300178541
Code 20026086
WLS Job 4593

26-AUG-2022
Manufacturing Site
RITTMAN
151 South Industrial Ave, Rittman
OH, 44270-1593
Russell Hudkins
Quality Control
0330/9253015

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Manufacturer:	Morton Salt, Inc.	Morton Batch No.:	RI22211006
Morton Order No.:	5102446051	Manufact. Date:	30-JUL-2022
Cust. Order No.:	4525744541		
Delivery /-Item No:	5205869732 / 000010		
Quantity:	196	BAG	Shipping date: 25-AUG-2022

General information:

All analysis performed on Sodium Chloride as per standards published in the current United States Pharmacopeia (USP). This product complies with the USP requirements for Residual Solvents and Elemental Impurities. No solvents, 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. This product is chemically stable; therefore, chemical stability is indefinite. Retest date is three years from the date of manufacture.

Parameter	Result	Specification
USP Loss on Drying	0.030 %	<= 0.500 %
USP Bromides	<100 ppm	<= 100 ppm
USP Iodides	pass	Pass Test
USP Aluminum	<0.05 ppm	<= 0.20 ppm
USP Magn. & Alkal. -Earth metals	8 ppm	<= 100 ppm
USP Arsenic	<1 ppm	<= 1 ppm
USP Iron	<1 ppm	<= 2 ppm
USP Barium	pass	Equally clear
USP Ferrocyanide	pass	Pass Test
USP Sulfate	<200 ppm	<= 200 ppm
USP Nitrites max. sol. absorb.	0.00	<= 0.01
USP Phosphates	<25 ppm	<= 25 ppm
USP Potassium	86 ppm	<= 500 ppm
USP Heavy metals	<2 ppm	<= 5 ppm
USP Assay	99.8 %	99.0 .. 100.5 %
USP Acidity or Alkalinity	pass	Pass Test
USP Appearance of Solution	pass	Clear Colorless
USP Bacterial endotoxin	<2.5 IU/g	<= 2.5 IU/g
USP Identification - Sodium	pass	Pass Test
USP Identification - Chloride	pass	Pass Test

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

Verified by:
[Signature] 09 Nov
2022
Susamma Thomas

Electronically released by Russell Hudkins Quality Assurance Manager on 01-AUG-2022

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.