

**BATCH ANALYSIS CERTIFICATE - BP/Ph Eur GRADE****Dosage Forms:** Suitable for the use in the manufacture of injectable dosage forms, peritoneal dialysis solutions, hemodialysis solutions and hemofiltration solutions.**PRODUCT TYPE:** Pharmaceutical Sodium Chloride**CAS No.:** 7647-14-5

Molecular formula: NaCl

Molecular Weight: 58.44

BATCH/MFD¹: 16112022**REPORT NO:** 29288**DATE PACKED:** 16/11-19/11/22**RETEST² DATE:** 16/11/2027**PAGE:** 1 of 1**RESULTS**

Tests Performed (Methods as per Pharmacopoeia)	RESULT	BP:2021/Ph Eur 0193 SPECIFICATION
Chlorides Identification	Conforms	Conforms
Sodium Identification	Conforms	Conforms
Appearance of Solution	Conforms	Clear and Colourless
Acidity	0.00 ml (max)	NMT 0.5ml 0.01M NaOH
Alkalinity	0.20 ml (max)	NMT 0.5ml 0.01M HCl
Bromides <i>as Br</i>	Conforms	100 ppm (max)
Ferrocyanides	Conforms	Conforms
Iodides	Conforms	Conforms
Colourless White Crystalline Powder	Conforms	Conforms
Nitrites	Conforms	Conforms
Phosphate <i>as PO₄</i>	Conforms	25 ppm (max)
Sulphates <i>as SO₄</i>	Conforms	200 ppm (max)
Aluminium <i>as Al</i>	Conforms	0.2 ppm (max)
Arsenic <i>as As</i>	Conforms	1 ppm (max)
Barium	Conforms	Conforms
Iron <i>as Fe</i>	Conforms	2 ppm (max)
Magnesium & Alkaline-earth metals	0.2 ml (max)	NMT 2.5ml 0.01M EDTA (100 ppm max calculated as Ca)
Potassium <i>as K</i>	8 ppm (max)	500 ppm (max)
Heavy Metals <i>as Pb</i>	Conforms	5 ppm (max)
Loss on Drying (at packing)	0.02 %w/w (max)	0.5% ^w / _w (max)
Bacterial endotoxins	<1.00 EU/g	<5 EU/g
Assay <i>as NaCl</i>	99.67	99.0-100.5% ^w / _w
Residual Solvents	No class 1, 2 or 3 solvents are used in the manufacture of Pharmaceutical Sodium Chloride	

< = Less Than

NMT = Not more than

ADDITIONAL ANALYSIS	ACTUAL RANGE
Filtration Rate (Minimum after 2 litres of 20.15% w/v brine solution)	Minimum 308 ml/min Maximum 333

Note: 1. Batch/MFD in ddmmyyyy format is the date manufacture commenced. This date is also the traceable batch code.

- Due to the stable nature of Sodium Chloride, Dominion Salt as permitted under PIC/S GMP guide PE007-2 for APIs, states a retest date in lieu of an expiry date.
- This product has been produced at Dominion Salt's N.I. Refinery
- All results reported are on a wet matter basis with the exception of the Assay test which is reported on a dried basis.
- The samples have been collected and analysed in accordance with our documented sample plan.
- All methods have been performed in Dominion Salt's on site Laboratory. Methods (unless stated) are documented in the Laboratory's Test Method Manual and will be made available upon request in writing to the Works Chemist.
- Supply of this salt is subject to the terms of trade of Dominion Salt Limited upon request. The laws of New Zealand shall govern all disputes.
- Storage Conditions: Store unopened in clean, dry conditions

Conforms to Specification: **Release Date:** 05.12.22Approved by: Eliska Veckova
QHSE Officer

For Distribution use only:



BATCH ANALYSIS CERTIFICATE - INJ GRADE PYROGEN FREE U.S.P.

Dosage Forms: Suitable for the use in the manufacture of injectable dosage forms, peritoneal dialysis solutions, hemodialysis solutions and hemofiltration solutions.

PRODUCT TYPE: Pharmaceutical Sodium Chloride

CAS No.: 7647-14-5

Molecular formula: NaCl

Molecular Weight: 58.44

BATCH/MFD¹: 16112022

REPORT NO: 29289

DATE PACKED: 16/11-19/11/22

RETEST² DATE: 16/11/2027

PAGE: 1 of 1

RESULTS

Tests Performed (Methods as per Pharmacopoeia)	RESULT	USP-NF 2021 Issue 1 SPECIFICATION
Appearance of Solution	Conforms	Clear and Colourless
Chlorides Identification	Conforms	Conforms
Sodium Identification	Conforms	Conforms
Acidity	0.00 ml (max)	NMT 0.5ml 0.01M NaOH
Alkalinity	0.20 ml (max)	NMT 0.5ml 0.01M HCl
Loss on Drying (at packing)	0.02 %w/w (max)	0.5% ^w / _w (max)
Iodides	Conforms	Conforms
Aluminium <i>as Al</i>	Conforms	0.2 ug/g (max)
Magnesium & Alkaline-earth metals	0.2 ml (max)	NMT 2.5ml 0.01M EDTA (0.01 % max calculated as Ca)
Arsenic <i>as As</i>	Conforms	1 ug/g (max)
Barium	Conforms	Conforms
Colourless White Crystalline Powder	Conforms	Conforms
Ferrocyanides	Conforms	Conforms
Sulphates <i>SO₄</i>	Conforms	0.020 % (max)
Iron <i>as Fe</i>	Conforms	2 ug/g (max)
Nitrites	Conforms	Conforms
Heavy Metals <i>as Pb</i>	Conforms	5 ppm as Pb (max)
Bromides <i>as Br</i>	Conforms	0.010 % (max)
Phosphate <i>as PO₄</i>	Conforms	0.0025 % (max)
Potassium <i>as K</i>	0.0008 % (max)	0.05 % (max)
Assay <i>as NaCl</i>	99.67	99.0-100.5% ^w / _w
Residual Solvents	No class 1, 2 or 3 solvents are used in the manufacture of Pharmaceutical Sodium Chloride	
ADDITIONAL ANALYSIS	ACTUAL RANGE	
Filtration Rate (Minimum after 2 litres of 20.15% w/v brine solution)	Minimum 308 ml/min Maximum 333	< = Less Than NMT = Not more than u = micron

Note: 1. Batch/MFD in ddmmyyyy format is the date manufacture commenced. This date is also the traceable batch code.

- Due to the stable nature of Sodium Chloride, Dominion Salt as permitted under PIC/S GMP guide PE007-2 for APIs, states a retest date in lieu of an expiry date.
- This product has been produced at Dominion Salt's N.I. Refinery
- All results reported are on a wet matter basis with the exception of the Assay test which is reported on a dried basis.
- The samples have been collected and analysed in accordance with our documented sample plan.
- All methods have been performed in Dominion Salt's on site Laboratory. Methods are documented in the Laboratory's Test Method Manual and will be made available upon request in writing to the Works Chemist.
- Supply of this salt is subject to the terms of trade of Dominion Salt Limited upon request. The laws of New Zealand shall govern all disputes.
- Storage Conditions: Store unopened in clean, dry conditions

Conforms to Specification: 

Release Date: 05.12.22

Approved by: 

Eliska Veckova
QHSE Officer

For Distribution use only:



BATCH ANALYSIS CERTIFICATE - JP GRADE

Dosage Forms: Suitable for the use in the manufacture of injectable dosage forms, peritoneal dialysis solutions, hemodialysis solutions and hemofiltration solutions.

PRODUCT TYPE: Pharmaceutical Sodium Chloride

CAS No.: 7647-14-5

Molecular formula: NaCl

Molecular Weight: 58.44

BATCH/MFD¹: 16112022

REPORT NO: 29290

DATE PACKED: 16/11-19/11/22

RETEST² DATE: 16/11/2027

PAGE: 1 of 1

RESULTS

Tests Performed (Methods as per Pharmacopoeia)	RESULT	JP XVIII /2021 SPECIFICATION
Sodium Identification	Conforms	Conforms
Chlorides Identification	Conforms	Conforms
Appearance of Solution	Conforms	Clear and Colourless
Acidity	0.00 ml (max)	NMT 0.5ml 0.01M NaOH
Alkalinity	0.20 ml (max)	NMT 0.5ml 0.01M HCl
Sulphates as SO ₄	Conforms	200 ppm (max)
Phosphate as PO ₄	Conforms	25 ppm (max)
Bromides as Br	Conforms	100 ppm (max)
Colourless White Crystalline Powder	Conforms	Conforms
Ferrocyanides	Conforms	Conforms
Iodides	Conforms	Conforms
Heavy Metals as Pb	Conforms	3 ppm (max)
Iron as Fe	Conforms	2 ppm (max)
Barium	Conforms	Conforms
Magnesium & Alkaline-earth metals	0.2 ml (max)	NMT 2.5ml 0.01M EDTA (100 ppm max calculated as Ca)
Arsenic as As ₂ O ₃	Conforms	2 ppm (max)
Loss on Drying (at packing)	0.02 %w/w (max)	0.5% w/w (max)
Assay as NaCl	99.67	99.0-100.5% w/w

< = Less Than

NMT = Not more than

ADDITIONAL ANALYSIS	ACTUAL RANGE
Filtration Rate (Minimum after 2 litres of 20.15% w/v brine solution)	Minimum 308 ml/min Maximum 333

- Note:**
1. Batch/MFD in ddmmyyyy format is the date manufacture commenced. This date is also the traceable batch code.
 2. Due to the stable nature of Sodium Chloride, Dominion Salt as permitted under PIC/S GMP guide PE007-2 for APIs, states a retest date in lieu of an expiry date.
 3. This product has been produced at Dominion Salt's N.I. Refinery
 4. All results reported are on a wet matter basis with the exception of the Assay test which is reported on a dried basis.
 5. The samples have been collected and analysed in accordance with our documented sample plan.
 6. All methods have been performed in Dominion Salt's on site Laboratory. Methods are documented in the Laboratory's Test Method Manual and will be made available upon request in writing to the Works Chemist.
 7. Supply of this salt is subject to the terms of trade of Dominion Salt Limited upon request. The laws of New Zealand shall govern all disputes.
 8. Storage Conditions: Store unopened in clean, dry conditions

Conforms to Specification: Margar

Release Date: 05.12.22

Approved by: Eliska Veckova

Eliska Veckova
QHSE Officer

For Distribution use only:

