

# PRODUCT SPECIFICATION

## Pure Dried Vacuum Salt - Sodium Chloride (NaCl)

Pharmaceutical - USP	
Components	USP-NF-2021 Issue 1 specification
Colourless White Crystalline Powder	Conforms <sup>1</sup>
Appearance of Solution	Conforms <sup>1</sup>
Chlorides Identification	Conforms <sup>1</sup>
Sodium Identification	Conforms <sup>1</sup>
Acidity	NMT 0.5ml 0.01M NaOH
Alkalinity	NMT 0.5ml 0.01M HCl
Loss on Drying (at packing)	Max 0.5%
Iodides	Conforms <sup>1</sup>
Aluminium as Al	Max 0.2 µg/g
Magnesium and Alkaline earth metals	NMT 2.5ml 0.01M EDTA (0.01% max calculated as Ca)
Arsenic as As	Max 1 µg/g
Barium	Conforms <sup>1</sup>
Ferrocyanide (any form)	Conforms <sup>1</sup>
Sulphate as SO <sub>4</sub>	Max 0.020%
Iron as Fe	Max 2 µg/g
Nitrites	Conforms <sup>1</sup>
Heavy Metals as Pb	Max 5 ppm
Bromide as Br	Max 0.010%
Phosphate as PO <sub>4</sub>	Max 0.0025%
Potassium as K	Max 0.05%
Assay as NaCl	99.0 – 100.5%
<b>Filtration Rate:</b>	<b>Typical Range</b>
2ltr of 20.15% w/v saline filtered through a 0.45 micron filter at 15" Hg.	300 – 450 ml/min

**NOTES:** NMT= Not More Than ppm = µg/g = mg/kg = (% x 10,000)

1. Conforms to limit test prescribed in the United States Pharmacopoeia.

### GRADE DESCRIPTION:

USP in an extremely high purity certified vacuum salt particularly suited to customers manufacturing premium grade products to the United States Pharmacopoeia standard. It is suitable for the use in the injectable dosages forms, peritoneal dialysis solutions, Haemodialysis solutions and Hemofiltration solutions.

### COUNTRY OF ORIGIN:

Made in New Zealand

**BULK DENSITY:**

Nominally: loose 1.25 g/ml, compacted 1.43 g/ml

**COMPLIANCE:**

*Certified to United States Pharmacopoeia*

*MoH Licence to Manufacture Medicines*

*GMP – Medsafe Certified*

*ANZ Food Standards Code*

*NZFSA Approved Food Safety Programme*

*National Programme 3*

*NOT a genetically modified food as defined under 1.5.2 of the ANZ Food Standards Code*

*Free from known Allergens*

*Halal Certified*

*Kosher Certified*

*Dominion Salt is ISO 9001, FSSC 22000 certified*

**PACKAGING:**

25kg Heavy Gauge Polyethylene Bag (no outer)

25kg Multiwall paper sack with light gauge polyethylene liner

**Packaging material** complies with US FDA regulations Title 21, parts 170-199

**BATCH MARKS:**

Batch marking on the packaging is in the form DDMMYYYY

**PALLETS:**

**25kg packs:** Standard pallet configuration is 48 x 25kg bags (1.2 tonnes per pallet)

All salt is stretch wrapped and capped on pallets with a pallet sheet between the pallet and the salt.

Authorised by:	Title:	Sign:	Date:
	Quality Manager		14-06-2022