

Mermaid Iodised Superfine Salt

25- 65 mg/kg iodine

Product Description

Mermaid Iodised Superfine Salt is a dried, naturally evaporated sea salt (sodium chloride) suitable for human consumption complying with the Australian New Zealand Food Standards Code 2.10.2. This product is a translucent to white solid, with a texture of fine powdery crystals. Iodine is added in the form of potassium iodate. The mean particle size of approx. 0.3 mm. It is produced in Australia by natural solar evaporation of seawater, harvested, washed, dried, sized and packed in accordance with good manufacturing practice, under a quality system that complies with ISO 9001.

Storage Conditions

Product is shelf life stable. Long-term storage does not adversely affect salt except for caking or lumping as salt absorbs/expels moisture from/to the atmosphere. Fine grain salts are particularly susceptible to caking. As a guide this product should be used within 6 months from manufacture date to avoid significant caking problems, however customers should assess their own individual needs for ordering frequency, stock rotation, stock levels and local conditions. To avoid significant caking, adjust ordering volume and frequency.



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Chemical Analysis

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|-------------------------------|------|
| Purity (% NaCl min dry basis) | 99.4 |
| Moisture (% max) | 0.20 |
| Insolubles (% max) | 0.05 |
| Magnesium (mg/kg max) | 500 |
| Calcium (mg/kg max) | 1000 |
| Sulphate (mg/kg max) | 2500 |
| Iron (mg/kg max) | 10 |

Grainsize (Cumulative % Retained)

| | Min. | Max. |
|--|------|-------|
| 0.71 mm | 0 % | 1 % |
| 0.60 mm | 0 % | 25 % |
| 0.425 mm | 5 % | 60 % |
| 0.106 mm | 80 % | 100 % |
| through 0.106 mm not greater than 40 % | | |

Additives

| | |
|--|------------------|
| Iodine (I) from KIO ₃ (mg/kg) | Min 25 Max 65 |
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Country of Origin

Made in Australia from at least 99% Australian ingredients

Palletising - Standard

| | | |
|---|-----------------|-----------------|
| Bag Size | 25kg net weight | 25kg net weight |
| Pallet type | Chep | Chep |
| Bags per pallet | 42 bags | 48 bags |
| Pallet Weight | 1.05 tonne | 1.2 tonne |
| * Also available in other pack sizes by negotiation | | |

Protection and Labelling

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|---|
| Packed and sealed in LDPE polyethylene bags |
| Pallet slip sheet |
| Stretch wrapped |
| Traceability: date of manufacture as a minimum DD/MM/YY; or batch number which includes DOM in format YYMMDD, -BCH- then an automated sequential number i.e. YYMMDD-BCH-123456; printed on the side of individual bags as well as on pallet label |

Method of Analysis

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| Purity | ASTM E 534 Standard Test Methods for Chemical Analysis of Sodium Chloride "Reporting And Analysis". |
| Moisture | Reference: AS 2093.1977 Appendix B |
| Insolubles | ASTM E 534 "Water Insolubles" (100g used, results reported to 0.001%) |
| Calcium and Magnesium | Reference: ASTM E 534 "Calcium Magnesium" Used" Japan Tobacco & Salt: Methods For Salt Analysis Item 5.1 "Calcium & Magnesium" (atomic absorption) |
| Sulphate: | Reference "AS 2093.1977 Appendix M" Used: turbidimetric analysis on UV-vis spectrophotometer |
| Iron | AS 2093.1977 Appendix N |
| Grainsize | AS 3638 Test Sieving Procedures |
| Iodine | WHO / ICCIDD / UNICEF "Assessment of Iodine Deficiency Disorders and Monitoring Their Elimination- A guide for programme managers" 2nd edition. Annex 1 "Titrimetric Method For Determining Salt Iodate Content" |