

Certificate of Analysis

Dead Sea Salt

General

Batch No.	4467606
Production Date	APRIL 2022
Best Before End	APRIL 2025

Sensory Description

Test Item	Unit(s)	Results
NaCl (Dry Basis)	%	Conforms
Mg	%	Conforms
Ca	%	Conforms
H ₂ O	%	Conforms
SO ₄	%	Conforms
Insoluble	%	Conforms
K ₄ Fe (CN) ₆	ppm	Conforms
KIO ₃	ppm	Conforms

Quality Control

The specification above has to be considered as technical information, it is presented in good faith, but no warranty is given. The above information does not release the customer from making their own controls and checks upon receipt of the product. In view of the great variety of possible applications, no assurance is given of the suitability of the product for any particular purpose. Furthermore, since Madar Corporation Limited as a material supplier is unable to exercise any control over the use of the products, including designing, testing, specifying a compound or product incorporating any of the products, it is the sole responsibility of the buyer who shall assume any consequences thereof, whether direct or indirect, and whatsoever its nature, and the seller makes no warranties in respect thereof.

Shelf lives are given as guidance only. Many chemicals will remain as per their certificates of conformity indefinitely if stored properly. Other chemicals are naturally unstable or may react with moisture / air once opened. It is the responsibility of the buyer to understand the nature of the chemicals they are storing and the best practice for storage.

This is a computer generated document and therefore is not signed.



Allergen Statement

Dead Sea Salt

We confirm that the Dead Sea Salt supplied by MADAR Corporation contains no allergens of a protein nature or any of the 26 names allergens listed below:

Name
Amyl Cinnamal
Benzyl alcohol
Cinnamyl Alcohol
Citral
Eugenol
Hydroxycitronellal
Iso Eugenol
Amyl Cinnamyl Alcohol
Benzyl Salicylate
Cinnamal
Coumarin
Geraniol
Hydroxyisohexyl 3-cyclohexene carboxaldehyde
Anise Alcohol
Benzyl Cinnamate
Farnesol
Butylphenyl Methylpropional
Linalool
Benzyl Benzoate
Citronellol
Hexyl Cinnamal
Limonene
Methyl 2-Octynoate
Alpha-Isomethyl Ionone
Evernia Prunastri Extract
Evernia Furfuracea Extract

Date of Issue: January 2014



March 2021

Allergen Control

Dead Sea Salt

No known allergens listed below are contained in our Dead Sea Salt

Cereals containing gluten, namely: wheat (such as spelt and Khorasan wheat), rye, barley, oats

Crustaceans for example prawns, crabs, lobster, crayfish

Eggs

Fish

Peanuts

Soybeans

Milk

Nuts; namely almonds, hazelnuts, walnuts, cashews, pecan nuts, Brazil nuts, pistachio nuts, macadamia (or Queensland) nuts

Celery (including celeriac)

Mustard

Sesame

Sulphur dioxide/sulphites, where added and at a level above 10mg/kg in the finished product. This can be used as a preservative in dried fruit

Lupin which includes lupin seeds and flour and can be found in types of bread, pastries and pasta

Molluscs like clams, mussels, whelks, oysters, snails and squid

Our supplier stores and uses **celery powder** in their food packing facility which has been purpose built for salt making, packing, and blending of salt/sugar curing mixes. This facility is separate from our main storage warehouse. Procedures and controls are in place to ensure no cross contamination of allergens.



GMO Statement

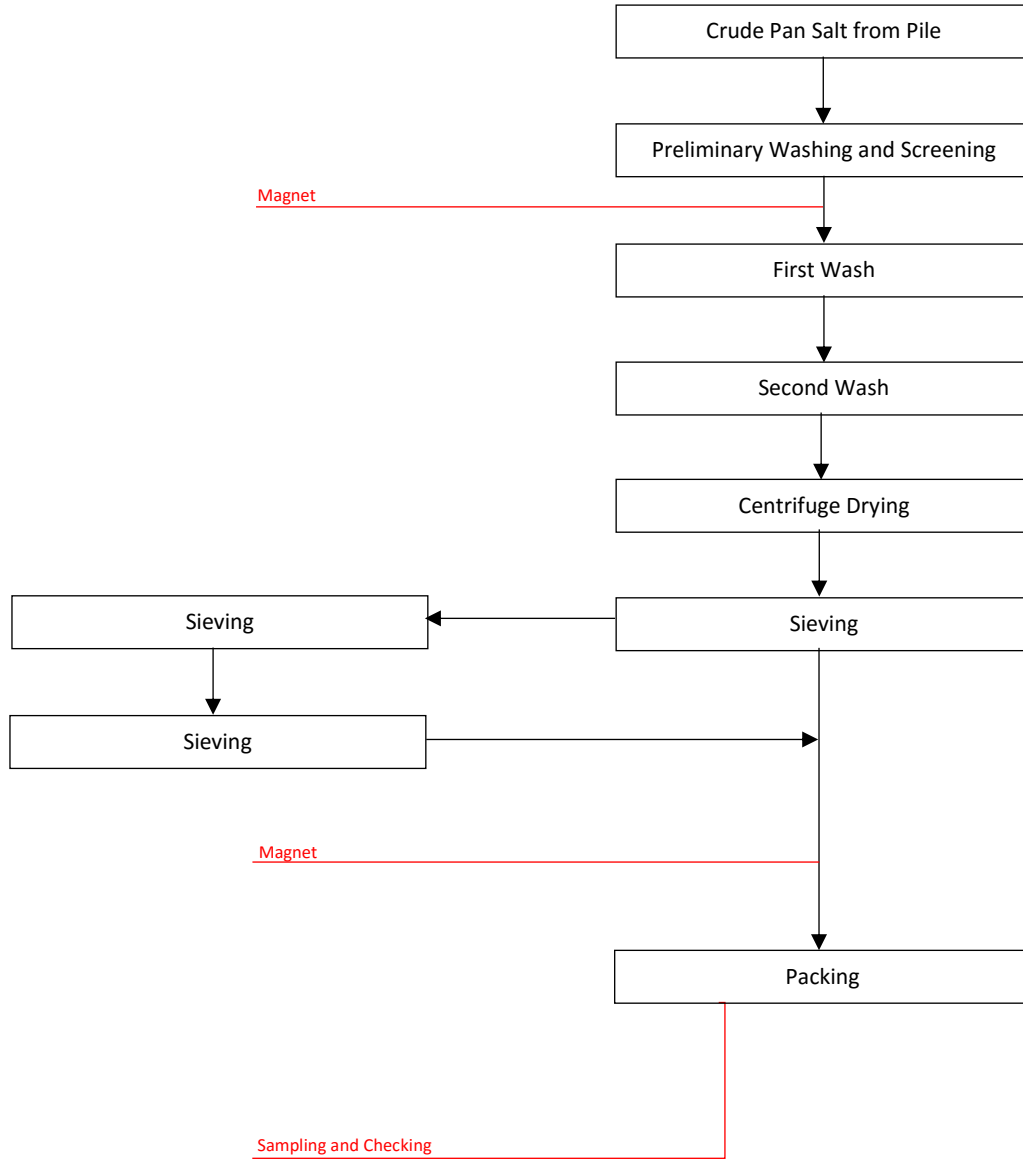
PRODUCT NAME: Dead Sea Salt

MADAR Corporation Limited can confirm that the above listed product is GMO Free.

01/02/2021

Product Flow Chart

Dead Sea Salt



Personal precautionary measures: Wear appropriate protective gear for the situation.

Decontamination and cleaning methods: Sweep away and place into designated suitable package for waste disposal or re-use.

HANDLING AND STORAGE

Handling: Keep containers tightly closed.

Storage: Keep in dry well ventilated place away from incompatible materials (see materials to avoid)

EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	ACGIH-TLV Data	OSHA (PEL) Data
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Magnesium Chloride	Not determined	Not determined
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Hexahydrate

7791-18-6

Other Salts	Not determined	Not determined
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Water of crystallization	Not determined	Not determined
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7732-18-5

Ventilation requirements Good general ventilation.

Ventilation must be sufficient to maintain TLV-TWA below 3 mg/m³, respirable particles, and 10 mg/m³, inhalation particles (ACGIH recommendation for Particles (Insoluble or poorly soluble) Not otherwise specified (PNOS)).

Personal Protective Equipment

Respiratory In case of significant or accidental dust emissions, dusk mask should be worn

Hand protection Protective gloves

Eye protection Chemical safety goggles

Skin/Body protection Body covering clothes and boots

Hygiene measures Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or

Smoking. Safety shower and eye bath should be provided.

PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance White odourless crystals

Melting point/range >120°C

Flash point Not-combustible

Solubility in water 60g/100g

Bulk density 1.03 (fine grade), 0.95 (coarse grade) kg/l

pH 8 @ 10% aqueous solution

Decomposition temp >160°C

STABILITY AND REACTIVITY

Stability Stable under normal conditions

Materials to avoid Oxidizing agents

Conditions to avoid Exposure to moisture. Heating above decomposition temp

Hazardous decomposition

Products Oxides of: potassium, calcium, magnesium, sodium and HCl
Hazardous polymerization Will not occur

TOXICOLOGICAL INFORMATION

Acute Toxicity:

Rat Oral LD50 8100 mg/kg (for MgCl₂)
Mouse oral LD50 7600 mg/kg (for MgCl₂)
Mutagenicity Not available
Carcinogenicity Not classified by IARC
Not included in NTP 11th Report on Carcinogens

ECOLOGICAL INFORMATION

Information on ecological Effects MgCl₂ is a seawater component

DISPOSAL CONSIDERATIONS

Waste Disposal Observe all federal, state and local environmental regulations when disposing of this material.
Disposal of Packaging Containers can be recycled after proper cleaning.

TRANSPORT INFORMATION

This product is not included in the listing of dangerous substances for transport by land, sea, inland water and air.

REGULATORY INFORMATION

EU Anhydrous MgCl₂ is reported EINECS
-Indication of danger Not subject to labeling in accordance with EEC Directives.

USA Reported in the EPA TSCA Inventory

Australia Listed in AICS

Canada Listed in DSL

China inventory Listed

Japan Listed in ENCS

New Zealand Inventory Listed in NZIoC

Phillippines Listed in PICCS

Important Note: The information contained in this document is given in good faith and is to the best of suppliers Knowledge correct at the date of publication, but it is for the users to satisfy themselves of the suitability of the product for their purposes.

Product Specification – Dead Sea Salt Technical Grade

Specification Information

			<u>Typical Value</u>
Sodium Chloride (NaCl)	%	Min 9	5.5
Calcium Chloride (CaCl ₂)	%	Max. 0.5	0.2
Moisture (H ₂ O)	%	Min. 32.0 Max. 40 .0	36.4
Sulphate (SO ₄)	%	Min. 0.2	0.15
Potassium Chloride (KCl)	%	Min 23.0 Max 30.0	24.3
Magnesium Chloride (MgCl ₂)	%	Min. 31.0 Max 35.0	33.3
Bromide (Br ⁻)	%	Min. 0.5	0.5

Particle Size

Granular Size

Fine Grade	Min 90%	<1.7mm
Course Grade	Min 90%	Between 1.7mm to 6.5mm

|Edition 3
14/05/2021

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Technical Specification

Product Name: Dead Sea Salt

INCI Name: Maris Sal

Specification

The Dead Sea Salt meets the following specification:

Chemical Name/ UPAC/Description	Value	CAS No	EINECS/ELINS No	Also know as
Water	32.0 - 40.0	7732-18-5	231-791-2	Water of crystallisation
Magnesium Chloride	31.0 - 35.0	7786-30-3	232-094-6	
Potassium Chloride	23.0 - 30.0	7447-40-7	310 127 6	
Sodium Chloride	Min 9.0	7647-14-5	231-598-3	
Calcium Chloride	Max0.5	10043-52- 4	233-140-8	
Bromide	Min 0.5	N/A	N/A	
Sulphates	Min 0.2	N/A	N/A	

Origin

Dead Sea, Middle East Region

Characteristics

A granular whitish solid that attracts water. The salt does not support microbial growth.

Packing

Laminated pack with resealable strip and heat sealed.

Storage

Store in a cool dry place.

Shelf Life

At least 3 years if stored correctly.

Legislation

Cosmetic Legislation if sold as a cosmetic product.

Allergen Status

No allergens present.

Nut Status

No nut content and no allergens present .

Other information

Not irradiated.

Suitable for vegetarians and vegans.

Not tested on animals

No additives or preservatives



Vegetarian & Vegan Suitability Statement

PRODUCT NAME: Dead Sea Salt

MADAR Corporation Limited can confirm that the above listed product has not been tested in animals and does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.

28/06/19