



Mineral salts for

SEAWATER

aquariums

Macco Organiques is producing and offering unique pure mineral salts to be used in Marine Salt Mixes in **seasalt aquariums**. Our salts comply with the pharmaceutical grade and therefore are characterized by the **highest purity** which is essential for natural and healthy maintenance of seasalt aquariums.

Macco Organiques is testing the products on **ICP MS** which provides even lower detection limits than the commonly used ICP OES. The content of undesirable elements as phosphates, bromides, lead, copper, arsen and other **heavy metals** is on the lowest level which allows your aquarium ecosystem to flourish without having problems with insoluble particles.

Serving the clients from pharmaceutical and food industry, our products fulfill the highest quality standards. With our own technical sales and support teams, we understand the chemistry of seawater aquariums and can offer you the following **Mineral Salts**:

Mineral Salt	Formula	CAS Number	Solubility in H ₂ O at 20°C (g/100ml)	Metal Content	pH of 5% solution
Calcium Chloride Dihydrate	CaCl ₂ ·2H ₂ O	10035-04-8	130,10 hydrate	27,26%	4,5-8,5
Magnesium Chloride Hexahydrate	MgCl ₂ ·6H ₂ O	7791-18-6	304,35 hydrate	13,96%	4,5-7,0
Magnesium Sulphate Dried	MgSO ₄ ·xH ₂ O	22189-08-8	44,09 hydrate	13,25% as 3,5Hy	5,0-9,2
Magnesium Sulphate Heptahydrate	MgSO ₄ ·7H ₂ O	10034-99-8	55,27 hydrate	9,86%	5,0-9,2
Sodium Chloride	NaCl	7647-14-5	35,86	39,34%	4,5-7,0
Sodium Bicarbonate	NaHCO ₃	144-55-8	9,60	27,97%	≤8,6
Sodium Sulphate Anhydrous	Na ₂ SO ₄	7757-82-6	19,20	16,20%	6,7
Potassium Chloride	KCl	7447-40-7	34,19	52,45%	5,5-8,0
Strontium Chloride Hexahydrate	SrCl ₂ ·6H ₂ O	10025-70-4	53,10	32,70%	5,8

Macco is well equipped to be able to blend the salts and prepare your mineral seasalt mix according to your recipe. Apart from standard 25 kg packaging, we can also offer low volume sacks and jars (50 g - 5 kg).



Certification and Registrations:

GMP Q7, FSSC 22000, ISO 9001, CoS/CEP, DMF, Halal, Kosher, API Facility and DMF registrations at the US FDA

Quality Standards:

EP, BP, USP, JP, FCC, E-numbers, ACS

Our standard pack sizes:

Low volume sacks and jars (50 g - 5 kg), **Bags** (10 kg - 25 kg),
Carton boxes 25 kg, **Plastic drums** (12 kg - 250 lb),
Fibre drums (25 kg - 250 lb), **Big-bags** (400 kg - 1 000 kg)

ISSUED: 09/2024



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BRINGING
MINERALS
TO LIFE...

