

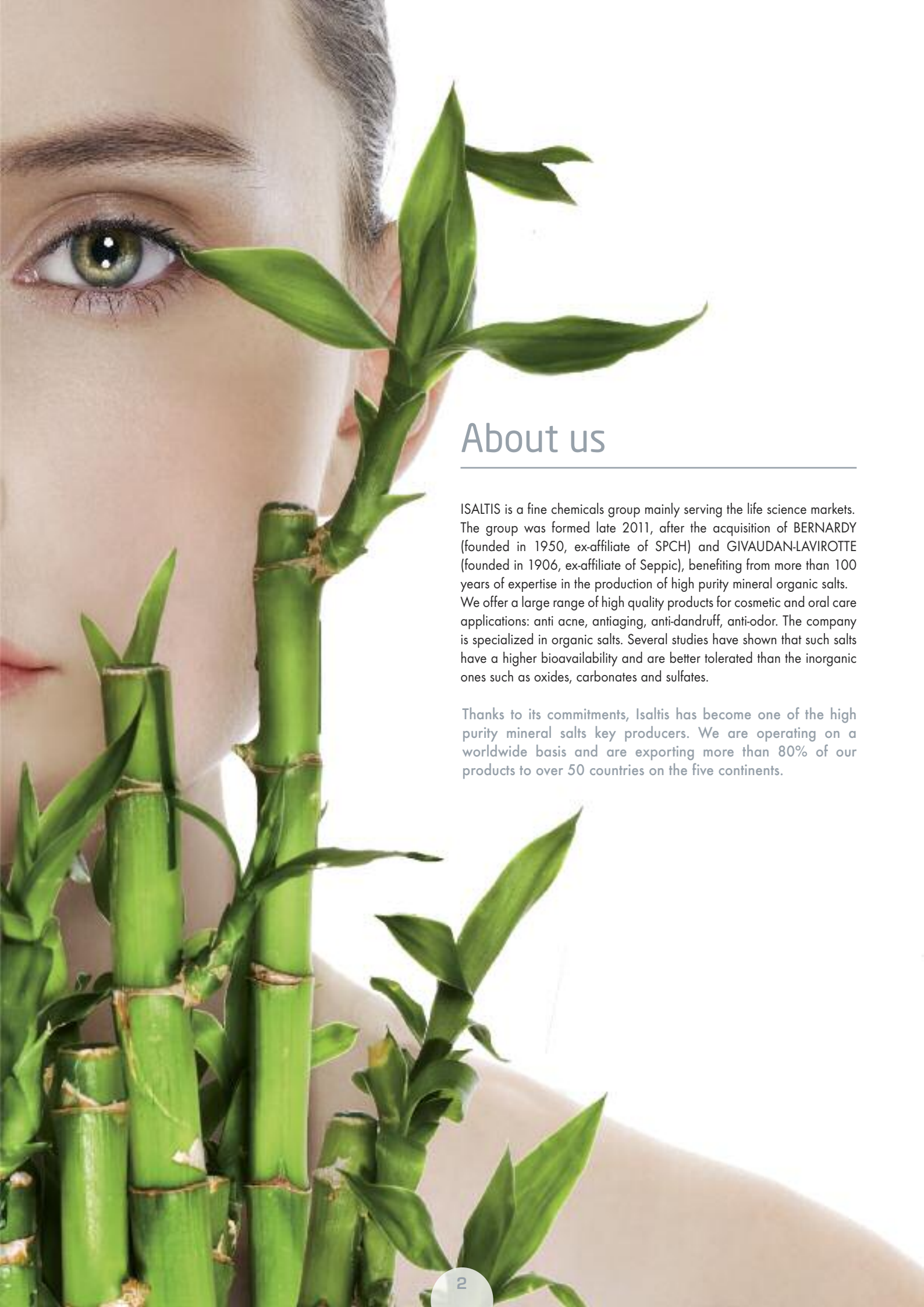


ISALTIS



PERSONAL CARE





## About us

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ISALTIS is a fine chemicals group mainly serving the life science markets. The group was formed late 2011, after the acquisition of BERNARDY (founded in 1950, ex-affiliate of SPCH) and GIVAUDAN-LAVIROTTE (founded in 1906, ex-affiliate of Seppic), benefiting from more than 100 years of expertise in the production of high purity mineral organic salts. We offer a large range of high quality products for cosmetic and oral care applications: anti acne, antiaging, anti-dandruff, anti-odor. The company is specialized in organic salts. Several studies have shown that such salts have a higher bioavailability and are better tolerated than the inorganic ones such as oxides, carbonates and sulfates.

Thanks to its commitments, Isaltis has become one of the high purity mineral salts key producers. We are operating on a worldwide basis and are exporting more than 80% of our products to over 50 countries on the five continents.

# Product portfolio

CATION	TRADE NAME	CAS NUMBER	INCI NAME
ALUMINIUM	Mineralis® LA/AL	18917-91-4	Aluminium Lactate
CALCIUM	Mineralis® GH/CA Mineralis® GU/CA Mineralis® GY/CA Mineralis® GY/CA L50	29039-00-7 66905-23-5 27214-00-2 27214-00-2	Calcium Glucoheptonate Calcium Gluconate Calcium Glycerophosphate Calcium Glycerophosphate
COPPER	Mineralis® GU/CU	527-09-3	Copper Gluconate
IRON	Mineralis® GH/FE Mineralis® GU/FE	34459-32-0 299-29-6	Ferrous Glucoheptonate Ferrous Gluconate
LITHIUM	Mineralis® GU/LI	60816-70-8	Lithium Gluconate
MAGNESIUM	Mineralis® (L)-AP/MG Mineralis® CI/MG Mineralis® GH/MG Mineralis® GU/MG Mineralis® GY/MG Mineralis® GY/MG L50 Mineralis® LA/MG	2068-80-6 153531-96-5 74347-32-3 3632-91-5 927-20-8 927-20-8 18917-93-6	Magnesium Aspartate Magnesium Citrate Magnesium Glucoheptonate Magnesium Gluconate Magnesium Glycerophosphate Magnesium Glycerophosphate Magnesium Lactate
MANGANESE	Mineralis® GU/MN	6485-39-8	Manganese Gluconate
POTASSIUM	Mineralis® (L)-AP/K Mineralis® (L)-AP/K-MG Mineralis® GY/K L50 Mineralis® GY/K L75 Mineralis® NI/K	1115-63-5 67528-13-6 1319-69-3 1319-69-3 7757-79-1	Potassium Aspartate Magnesium Potassium L-Aspartate Potassium Glycerophosphate Potassium Glycerophosphate Potassium Nitrate
SODIUM	Mineralis® GY/NA Mineralis® GY/NA L50 Mineralis® GY/NA L65	1555-56-2 1555-56-2 1334-74-3	Sodium Glycerophosphate Sodium Glycerophosphate Sodium Glycerophosphate
STRONTIUM	Mineralis® AC/SR Mineralis® CL/SR Mineralis® HY/SR Mineralis® PE/SR	14692-29-6 10025-70-4 18480-07-4 1314-18-7	Strontium Acetate Strontium Chloride Strontium Hydroxide Strontium Peroxide
ZINC	Mineralis® AC/ZN Mineralis® (L)-AP/ZN Mineralis® CA/ZN Mineralis® CI/ZN Mineralis® GH/ZN Mineralis® GU/ZN Mineralis® LA/ZN Mineralis® NI/ZN Mineralis® PE/ZN Mineralis® SA/ZN Mineralis® UN/ZN	557-34-6 36393-20-1 5263-02-5 546-46-3 12565-63-8 4468-02-4 16039-53-5 10196-18-6 1314-22-3 16283-36-6 557-08-4	Zinc Acetate Zinc Aspartate Zinc Carbonate Hydroxyde Zinc Citrate Zinc Glucoheptonate Zinc Gluconate Zinc Lactate Zinc Nitrate Zinc Peroxide Zinc Salicylate Zinc Undecylenate
	NICOTINATE	94-44-0	Benzyl Nicotinate
	NICOTINATE	614-18-6	Ethyl Nicotinate
	NICOTINATE	93-60-7	Methyl Nicotinate
	VITAMIN B3	98-92-0	Niacinamide

(1) According to Zinc restriction in cosmetic uses (annexe III of the regulation 1223/2009)

(2) Manufactured under GMP conditions



# PHYSICO-CHEMICAL PROPERTIES

SOLUBILITY in water (g/L)	RECOMMENDED DOSAGE
260 (25°C)	1 - 2 %
100 (20°C)	1 - 2 %
40 (25°C)	1 - 2 %
20 (25°C)	1 - 2 %
soluble	1 - 2 %
> 500 (20°C)	1 - 2 %
> 1 000 (25°C)	1 - 2 %
100 (20°C)	1 - 2 %
> 1 000 (25°C)	1 - 2 %
1000 (20°C)	1 - 2 %
soluble	1 - 2 %
> 1 000 (25°C)	1 - 2 %
110 (20°C)	1 - 2 %
80 (20°C)	1 - 2 %
soluble	1 - 2 %
soluble (at hot temperature)	1 - 2 %
110 (25°C)	1 - 2 %
> 1 000 (25°C)	1 - 2 %
> 1 000 (25°C)	1 - 2 %
soluble	1 - 2 %
soluble	1 - 2 %
350 (20°C)	1 - 2 %
> 1 000 (25°C)	1 - 2 %
soluble	1 - 2 %
soluble	1 - 2 %
369 (20°C)	1 - 2 %
538 (20°C)	1 - 2 %
4 (20°C)	1 - 2 %
compound separation	1 - 2 %
430 (20°C)	1 % max (1)
25 (20°C)	1 % max (1)
insoluble	1 % max (1)
slightly soluble	1 % max (1)
> 1 000 (25°C)	1 % max (1)
100 (20°C)	1 % max (1)
57 (20°C)	1 % max (1)
870 (25°C)	1 % max (1)
insoluble	1 % max (1)
50 (20°C)	1 % max (1)
insoluble	1 % max (1)
slightly soluble	1 - 2 %
soluble	1 - 2 %
soluble	1 - 2 %
soluble	2 - 5 %

# PHYSICO-CHEMICAL PROPERTIES

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## PROPERTIES

Aluminium source - Antimicrobial - Astringent - Buffering agent - Tooth desensitivation

Calcium source - Skin conditioner - Increases bioavailability  
Calcium source - Revitaliser - Restructurer - Moisturizer - Soother  
Calcium and phosphorous sources - Tooth remineralization - Mineral salt with organic anion vector - Improves bioavailability  
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Copper source - Cellular revitaliser - Modulator of Inflammation process - Immunomodulator - Enzymatic cofactor

Iron source - Skin conditioner  
Iron source - Keratin restructurer - Improves skin cell defense - Dull and tired skins treatment

Lithium source - Soother - Revitaliser

Magnesium source - Energiser - Restructurer - Immunomodulator  
Magnesium source - Improves magnesium imbalances in the body  
Magnesium Source - Skin Conditioner  
Magnesium source - Restructurer - Membranal protector - Immunomodulator - Revitaliser  
Magnesium source - Energizer ingredient  
Magnesium source - Energizer ingredient  
Magnesium source - Keratolytic agent - Buffering agent - Dough conditioner

Manganese source - Radical scavenger - Energizing ingredient - Restructurer

Potassium source - Energizing ingredient - Restructurer - Skin conditioner  
Potassium and magnesium sources - Buffering agent - Skin protector  
Potassium source - Anti-Irritant - Antimicrobial - Dental enamel - Tooth antiplaque  
Potassium source - Anti-Irritant - Antimicrobial - Dental enamel - Tooth antiplaque  
Potassium source - Tooth desensitivation - Antiplaque

Sodium source - Moisturizer - Restructurer  
Sodium source - Moisturizer - Restructurer  
Sodium source - Moisturizer - Restructurer

Strontium source - Tooth desensitivation - Soother  
Strontium source - Tooth desensitivation  
Strontium source - Buffering agent  
Strontium source - Oxidant - Bleaching agent

Zinc source - Antimicrobial - Skin protector  
Zinc source - Soother - DNA protector - Immunomodulator energiser - Acne prone skin regulator - Sebum secretion regulator  
Zinc source - Buffering - Bulking  
Zinc source - Immunomodulator - Cells and tissue regenerator  
Zinc source - Skin conditioner  
Zinc source - Acne prone skin regulator - DNA protector - Soother - Immunomodulator  
Zinc source - Antimicrobial - Regenerator - Sebum regulation  
Skin conditioner  
Zinc source - Oxidant  
Zinc source - Antimicrobial - Keratolytic agent  
Anticaking agent - Opacifying agent - Antifungal - Skin soother

Skin-conditioning agent - Miscellaneous - Local vasodilator

Local vasodilator

Soother - Heating agent

Precursor of NAD and NADP - Improves keratin synthesis





# APPLICATIONS

<b>SKIN CARE</b>	Anti-aging	Anti-redness	Moisturizing	Anti acne	Slimming products	Dermo-cosmetic	<b>MEN CARE</b>	Hair care	Skin care	<b>ORAL CARE</b>	Toothpaste	Mouthrinse	<b>TOILETRIES</b>	Soap	Deodorant	Shaving & depilatory
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