






GLOBAL SALT PRODUCTION

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Since ancient times, salt has been one of humanity's most important minerals. Civilizations were established near sources of salt, and salt has been used as a substitute for money. Salt also creates important revenue for states and is indispensable for both food and industry.

Global raw salt production exceeds 240 million tons. The main salt producing countries are the US, China, India and Canada.

SALT PRODUCTION IN TURKEY

Turkey is a country rich in salt, with plenty of lake salt, sea salt and underground salt resources. Turkey produces nearly 5 million tons of salt, 3 million tons of which is lake salt, with the rest coming from sea and rock salt, bringing its share of world salt production to 1.5% - 2%.



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60% SALT IN CHEMICAL AND INDUSTRIAL PRODUCTION

There are 14,000 different uses for salt in industries such as textiles, leather tanning, steel cooling & hardening, fertilizers, cosmetics, rubber, medicine (injection & compress), and chemicals.



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%20 SALT IN FOODS IN THE FOOD INDUSTRY

Cooking, canning, dairy farming and pickling.



10% SALT IN SNOW REMOVAL ON HIGHWAYS - RAILWAYS

The acidic characteristics of snow salt melt ice during the winter.



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OTHER %10

Agricultural industry uses salt in salt licks, feed, weed control, and water softening – regeneration.

THE IMPORTANCE OF THE TUZ LAKE TO THE SECTOR

The Tuz Lake is located where the borders of Turkey's Central Anatolian provinces of Ankara, Konya and Aksaray meet. This lake provides 75% of Turkey's salt needs. Salt in the Tuz Lake is formed when meteorological water flows underground, melting previously formed salt domes and carrying them to the surface along tectonic lines.

Three salterns have been established at the Tuz Lake, two in Şereflikoçhisar, and one in Cihanbeyli called Yavşan.

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75% of Turkey's salt production comes from the Tuz Lake.



THE HISTORY OF CIHANBEYLI MINING INC.

The Yavşan Saltern is located on the western shore of the Tuz Lake, 22km from the district center of Cihanbeyli in Konya Province within the boundaries of the Üçler Neighborhood of Cihanbeyli. Operations began in 1927 and planned production started in 1947 It was privatized on 06.03.2006 and is currently operated by Cihanbeyli Mining and Salt Inc.



CIHANBEYLI MINING PRODUCTION CAPACITY

The Yavşan Saltern uses a pooling system for production. Salt is produced when the brackish water collected in the pools evaporates, leaving an average of 4-8 cm of crystallized salt at the bottom. The total production area is 7.5 km² with 7 crystallization pools currently in use. The annual production reserve is 1.2 million tons.

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COMPANY INFO

Cihanbeyli Mining Inc. operates according to a technology-based, visionary modernization framework thanks to its strong partnership with Atlas Investment Planning Ind. Inc. and Barer Corporate Investment Holding Inc.



PRODUCT TYPES

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RAW SALT

DETAILS	VALUE	TEST METHOD
APPEARANCE	WHITE CRYSTAL	VISUAL
SODIUM CHLORIDE, %(w/w)	Min. 95	TITRIMETRIC
Total Calcium Carbonate, dH	MAX. 80	TITRIMETRIC
CALCIUM, ppm	Max . 0,8	TITRIMETRIC
MAGNEZYUM, ppm	MAX. 0,3	TITRIMETRIC
IRON, ppm	MAX 3	SPECTROPHOTOMETRIC
Sodium Sulphate, max. 2	MAX. 2	SPECTROPHOTOMETRIC
Alkalinity, ppm	MAX. 0,1	TITRIMETRIC
Water-insoluble material, %	MAX. 0,25	GRAVIMETRIC
Humidity, %	MAX. 3	GRAVIMETRIC K
pH	MAX. 8	Ph meter



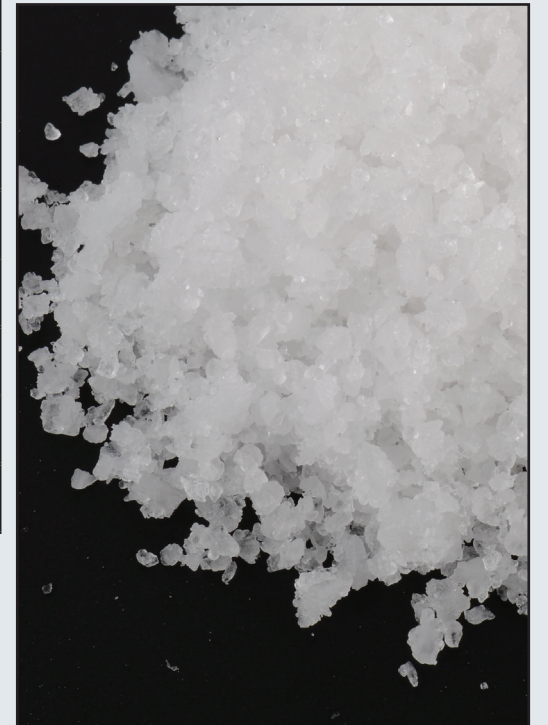
RAW AND COARSE SALT

DETAILS	VALUE	TEST METHOD
APPEARANCE	WHITE CRYSTAL	VISUAL
SODIUM CHLORIDE,%(w/w)	Min. 95	TITRIMETRIC
Total Calcium Carbonate, dH	MAX. 80	TITRIMETRIC
CALCIUM, ppm	Max . 0,8	TITRIMETRIC
MAGNESIUM, ppm	MAX. 0,3	TITRIMETRIC
IRON, ppm	MAX 3	SPECTROPHOTOMETRIC
Sodium Sulphate, max. 2	MAX. 2	SPECTROPHOTOMETRIC
Alkalinity, ppm	MAX. 0,1	TITRIMETRIC
Water-insoluble material, %	MAX. 0,25	GRAVIMETRIC
Humidity, %	MAX. 3	GRAVIMETRIC
pH	MAX. 8	Ph meter



WASHED SALT

VALUES	WASHED SALT
Hardness (A.S.)	16
NaCl (%)	98
Ca+2 (%)	0,10
Mg+2 (%)	0,010
Cl- (%)	59,6
SO4-2 (%)	0,2
Fe (ppm)	1,2
NH4+ (%)	0,12
F- (ppm)	16
Mn (ppm)	0,3
Free Cl2 (ppm)	0,6
Alkalinity (%)	0,03
Water-insoluble material (%)	0,12
Humidity (%)	2,5
pH	8,5



DRIED SALT NUMBER 1

Element	Results %	Analysis mehod
Humidity	0,5	ASTM E534
Sodium Chloride NaCl	98	ASTM E534
Water-insoluble material	0,2	ASTM E534
Calcium Ca	0,09	ASTM E534
Magnesium Mg	0,04	ASTM E534
Sulfate So4	0,40	ASTM E534
Magnesiumsulfate MgSo4	0,04	ASTM E534
Magnesiumchloride MgCl2	0,30	ASTM E534
Calcium sulfate CaSo4	0,35	ASTM E534

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DRIED SALT NUMBER 1.3

Element	Results %	Analysis mehod
Humidity	0,5	ASTM E534
Sodium Chloride - NaCl	98	ASTM E534
Water-insoluble material	0,2	ASTM E534
Calcium Ca	0,09	ASTM E534
Magnesium Mg	0,04	ASTM E534
Sulfate So4	0,40	ASTM E534
Magnesiumsulfate MgSo4	0,04	ASTM E534
Magnesiumchloride MgCl2	0,30	ASTM E534
Calcium sulfate CaSo4	0,35	ASTM E534



DRIED SALT NUMBER 2

Element	Results %	Analysis mehod
Humidity	0,5	ASTM E534
Sodium Chloride - NaCl	98	ASTM E534
Water-insoluble material	0,2	ASTM E534
Calcium Ca	0,09	ASTM E534
Magnesium Mg	0,04	ASTM E534
Sulfate So4	0,40	ASTM E534
Magnesiumsulfate MgSo4	0,04	ASTM E534
Magnesiumchloride MgCl2	0,30	ASTM E534
Calcium sulfate CaSo4	0,35	ASTM E534

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DRIED SALT NUMBER 3

Element	Results %	Analysis mehod
Humidity	0,5	ASTM E534
Sodium Chloride - NaCl	98	ASTM E534
Water-insoluble material	0,2	ASTM E534
Calcium Ca	0,09	ASTM E534
Magnesium Mg	0,04	ASTM E534
Sulfate So4	0,40	ASTM E534
Magnesiumsulfate MgSo4	0,04	ASTM E534
Magnesiumchloride MgCl2	0,30	ASTM E534
Calcium sulfate CaSo4	0,35	ASTM E534



DRIED SALT POWDER

Element	Results %	Analysis mehod
Humidity	0,5	ASTM E534
Sodium Chloride - NaCl	98	ASTM E534
Water-insoluble material	0,2	ASTM E534
Calcium Ca	0,09	ASTM E534
Magnesium Mg	0,04	ASTM E534
Sulfate So4	0,40	ASTM E534
Magnesiumsulfate MgSo4	0,04	ASTM E534
Magnesiumchloride MgCl2	0,30	ASTM E534
Calcium sulfate CaSo4	0,35	ASTM E534

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DRIED TABLET SALT

ELEMENT	RESULTS %	ANALYSIS MEHOD
Humidity	0,5	ASTM E534
Sodium Chloride - NaCl	98	ASTM E534
Water-insoluble material	0,2	ASTM E534
Calcium Ca	0,09	ASTM E534
Magnesium Mg	0,04	ASTM E534
Sulfate So4	0,40	ASTM E534
Magnesiumsulfate MgSo4	0,04	ASTM E534
Magnesiumchloride MgCl2	0,30	ASTM E534
Calcium sulfate CaSo4	0,35	ASTM E534



WASHED TABLET SALT

Details	Range of Values
Hardness (A.S.)	10–15
NaCl (%)	96–98
Ca+2 (%)	0,10–0,15
Mg+2 (%)	0,010–0,025
Cl- (%)	59–60
SO4-2 (%)	0,2–0,4
Fe (ppm)	1,2–2
F- (ppm)	16–20
Mn (ppm)	0,3–0,6
Alkalinity (%)	0,03–0,08
Water-insoluble material (%)	0,10–0,15
Humidity (%)	0,5–1,0
pH	7,5



PACKAGED PRODUCTS

-Iodized table salt



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PACKAGED PRODUCTS

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PACKAGED PRODUCTS

-Dried Tablet



PACKAGED PRODUCTS

-Salt Tablets

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OUR CERTIFICATES









AVRASYA TUZ