



HEAD	BRANCH	FACTORY
Mustafa Kemal Mah. 2118 Cad. C blok No: 4 C-175 Çankaya/ ANKARA/TURKEY	Hamzalı Köyü Kayacık Tuzlası Mutlucan Tuz İşletmesi Şereflikoçhisar / ANKARA/TURKEY	Cumhuriyet Mah. E-90 Karayolu Cad. No:106 Şereflikoçhisar / ANKARA/TURKEY
Tel: +90 312 323 71 48 Fax: +90 312 352 57 06	Tel: +90 312 684 50 50 Fax: +90 312 684 50 91	Tel: +90 312 687 74 60 Fax: +90 312 687 74 59

### CERTIFICATION OF ANALYSIS



Product Name:	Raw salt	Date Of Manufacture:	24.01.2024
Product Code:	Raw salt product	Expire Date:	24.01.2027
Supplier	MUTLUCAN TUZ MADENCİLİK İNŞ. TUR. OTOM. PET. NAK. SAN. VE TİC. A.Ş.	Date Of Analysis	24.01.2024
Manufacturer:	MUTLUCAN TUZ MADENCİLİK İNŞ. TUR. OTOM. PET. NAK. SAN. VE TİC. A.Ş.	Date Of Report	24.01.2024
Manufacturer's Batch No:	2024/01	Taken by:	Necip Kılıç

"Mutlucan Tuz products are sourced from the cleanist and purest Salt Lake in Ankara, Turkey."

The undersigned hereby certifies the following data to be true specification of the obtained results of tests and assays.

### CHEMICAL PROPERTIES

Chemical Name: Sodium Chloride	Formula Weight: 58,44 g/mole
Chemical Formula:NaCl	Identification of Feedstock: Ionic Compound
CAS Number:7647-14-5	Color and Form: White / Crystal

### GENERAL PARAMETERS

Parameters	Measured value	Standard value
NaCl amount (%)	98.80	Min % 98
Sodyum (Na) (%)	40,12	
Chloride (Cl) (%)	59,88	
Moisture (%)	1	Max % 1
pH of 10% solution	6,8	
Water-insoluble Material (%)	0,04	Max % 0,5
Acid-insoluble Material (%)	0,03	Max % 0,5



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### DETERMINATION OF HARDNESS ANALYSIS

The measurements made by total hardness kit		44	
Titrimetric Method (EDTA) Results (dH)			
German (dH)	45,13	French (F°)	80,60
Total ppm	3434	British	48,36

### SIEVE ANALYSIS

Sieve size (micron)	grams	%
(+) 9500 micron	20	2
(+) 8000 (-) 9500 micron	50	5
(+) 7000 (-) 8000 micron	60	6
(+) 6000 (-) 7000 micron	60	6
(+) 5000 (-) 6000 micron	125	12,5
(+) 4000 (-) 5000 micron	115	11,5
(+) 3000 (-) 4000 micron	205	20,5
(+) 2000 (-) 3000 micron	195	19,5
(+) 1000 (-) 2000 micron	150	15
(+) 0 (-) 1000 micron	45	4,5
<b>Toplam</b>	<b>1000</b>	<b>100</b>

### OTHER ANALYSIS

Calcium (Ca)	2395 mg/kg	Max % 0,24	
Magnesium (Mg)	631 mg/kg	Max % 0,07	
Sulphate (SO <sub>4</sub> )	7130 mg/kg	Max % 0,72	
Arsenic (As)	0 - 0,07 mg/kg		Max 0,5 mg/kg
Copper (Cu)	0 - 0,08 mg/kg		Max 2 mg/kg
Lead (Pb)	0 - 0,08 mg/kg		Max 2 mg/kg
Mercury (Hg)	0 - 0,05 mg/kg		Max 0,1 mg/kg
Cadmium (Cd)	0 - 0,05 mg/kg		Max 0,5 mg/kg