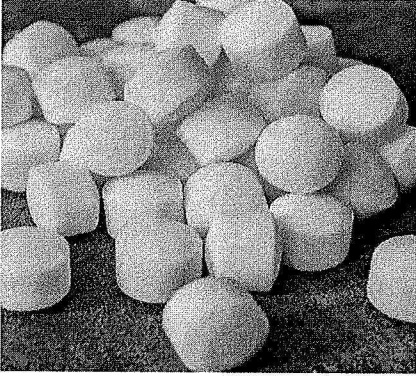




## MUEN İNŞAAT VE ENERJİ ÜRETİM

Mustafa Kemal Mah. 2118 Cad. C blok No: 4  
C/180  
Çankaya Ankara TURKEY  
Tel: +90 312 323 7148

### CERTIFICATION OF ANALYSIS



|                          |                                                                              |                      |             |
|--------------------------|------------------------------------------------------------------------------|----------------------|-------------|
| Product Name:            | Tablet Salt                                                                  | Date Of Manufacture: | 12.09.2022  |
| Product Code:            | Cylinder Tablet                                                              | Expire Date:         | 12.09.2025  |
| Supplier                 | MUTLUCAN TUZ<br>MADENCİLİK İNŞ. TUR.<br>OTOM. PET. NAK. SAN.<br>VE TİC. A.Ş. | Date Of Analysis     | 12.09.2022  |
| Manufacturer:            | MUTLUCAN TUZ<br>MADENCİLİK İNŞ. TUR.<br>OTOM. PET. NAK. SAN.<br>VE TİC. A.Ş. | Date Of Report       | 13.09.2022  |
| Manufacturer's Batch No: | 2022/09                                                                      | 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             |

### PHYSICAL PROPERTIES

|          |          |
|----------|----------|
| Diameter | 24 mm    |
| Height   | 20 mm    |
| Weight   | 12-16 gr |

### GENERAL PARAMETERS

| Parameters                   | Measured value | Standard value |
|------------------------------|----------------|----------------|
| NaCl amount (%)              | 99,04          | Min 98,5 %     |
| Sodium (Na) (%)              | 39,52          |                |
| Chlorine (Cl) (%)            | 59,48          |                |
| Moisture (%)                 | 0,1            | Max 0,6 %      |
| pH of 10% solution           | 6,8            |                |
| Water-insoluble Material (%) | 0,02           | Max 0,35 %     |
| Acid-insoluble Material (%)  | 0,01           |                |



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### DETERMINATION OF HARDNESS ANALYSIS

|                                             |       |             |       |
|---------------------------------------------|-------|-------------|-------|
| The measurements made by total hardness kit |       | 23          |       |
| Titrimetric Method (EDTA) Results (dH)      |       |             |       |
| German (dH)                                 | 24,42 | French (F°) | 43,50 |
| Total ppm                                   | 1956  | British     | 26,10 |

### OTHER ANALYSIS

| Parameters    | Measured value | Limit value    |
|---------------|----------------|----------------|
| Arsenic (As)  | 0 - 0,07 mg/kg | Max 13 mg/kg   |
| Lead (Pb)     | 0 - 0,08 mg/kg | Max 13 mg/kg   |
| Mercury (Hg)  | 0 - 0,05 mg/kg | Max 0,26 mg/kg |
| Crom (Cr)     | 0 - 0,08 mg/kg | Max 13 mg/kg   |
| Nickel (Ni)   | 0 - 0,06 mg/kg | Max 13 mg/kg   |
| Cadmium (Cd)  | 0 - 0,05 mg/kg | Max 1,3 mg/kg  |
| Antimony (Sb) | 0 - 0,19 mg/kg | Max 2,6 mg/kg  |
| Selenium (Se) | 0 - 0,4 mg/kg  | Max 2,6 mg/kg  |