

TIQ-F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Sodium Chloride 99.5 % AR

Catalog Number : O-5185

Batch Number : 5185-00000000

CAS Number : 7647-14-17

Molecular Weight : 58.44 g/mol

Mol. Formula : NaCl

Expire Date : 60 Months



| No | Test | Specifications | Results |
|----|--|---------------------------|--------------------------|
| 1 | Appearance | White crystalline powder | White crystalline powder |
| 2 | Assay (argentometric) | 99.5 - 100.5 % | 99.94% |
| 3 | Identity | Passes test | Passes |
| 4 | Appearance of solution | Passes test | Passes |
| 5 | Acidity or alkalinity | Passes test | Passes |
| 6 | pH (5% solution at 25 °C) | 5.0 - 8.0 | 5.90 |
| 7 | Insoluble matter | max 0.005 % | 0.002% |
| 8 | Bromide (Br) | max 0.005 % | 0.0002% |
| 9 | Iodide (I) | max 0.001 % | 0.0008% |
| 10 | Ferrocyanida [Fe(CN) ₆] ⁻⁴ | max 0.0001 % | 0.00002% |
| 11 | Chlorate and nitrate (as NO ₃) | max 0.003 % | 0.0002% |
| 12 | Nitrite (NO ₂) | Passes test | Passes |
| 13 | Phosphate (PO ₄) | max 0.0005 % | 0.00011% |
| 14 | Sulphate (SO ₄) | max 0.001 % | 0.00003% |
| 15 | Total nitrogen (N) | max 0.0005 % | 0.00007% |
| 16 | Heavy metals (as Pb) | max 0.0005 % | 0.00002% |
| 17 | Arsenic (As) | max 0.00004 % | 0.0000018% |
| 18 | Barium (Ba) | max 0.001 % (passes test) | 0.0003 % (passes test) |
| 19 | Calcium (Ca) | max 0.002 % | 0.0008% |
| 20 | Copper (Cu) | max 0.0002 % | 0.00006% |
| 21 | Iron (Fe) | max 0.0002 % | 0.000018% |
| 22 | Magnesium (Mg) | max 0.001 % | 0.0008% |
| 23 | Potassium (K) | max 0.005 % | 0.0003% |
| 24 | Loss on drying (at 105 °C; 2 hrs) | max 0.5 % | 0.12% |

Corresponds to AR/ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specification



SUDIRO S.Si.
Manager QC