SODIUM CARBONATE, VOLUMETRIC SOLUTIONS

SO0050 Sodium carbonate, solution 0,5 mol/l (1 N)

- Na_2CO_3
- M = 105,99 g/mol
- CAS [497-19-8]
- EINECS-No.: 207-838-8
- Density: 1,05 g/cm³
- EC-Index-No.: 011-005-00-2
- Tariff number: 2836 20 00 00
- Applications: analytical chemistry, laboratory reagent.

factor . . . . . 0,999 - 1,001
uncertainty ± 0,001
1 ml = 0,05299 g Na_2CO_3
This volumetric solution was checked by means of potentiometric methods using an hydrochloric acid standard solution, that was also checked against Scharlau's tris(hydroxymethyl)- aminomethane volumetric standard.

Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
SO00501000	1 l	P

SO0051 Sodium carbonate, solution 0,05 mol/l (0,1 N)

- Na_2CO_3
- M = 105,99 g/mol
- CAS [497-19-8]
- EINECS-No.: 207-838-8
- Density: ~ 1,1 g/cm³
- EC-Index-No.: 011-005-00-2
- Tariff number: 2836 20 00 00
- Applications: analytical chemistry, laboratory reagent.

factor . . . . . 0,999 - 1,001
uncertainty ± 0,001
1 ml = 0,005299 g Na_2CO_3
This volumetric solution was checked by means of potentiometric methods using a hydrochloric acid standard solution, that was also checked against Scharlau's tris(hydroxymethyl)- aminomethane volumetric standard.

Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
SO00511000	1 l	P

SODIUM CHLORATE

- $NaClO_3$
- M = 106,44 g/mol
- CAS [7775-09-9]
- EINECS-No.: 231-887-4
- Solub. in water: (20 °C): soluble
- Melting point: 255 °C (decomposes)
- LD 50 (oral, rat): 1200 mg/kg
- EC-Index-No.: 017-005-00-9
- ADR: 5.1 O2 II UN 1495
- IMDG: 5.1 II UN 1495
- IATA/ICAO: 5.1 II UN 1495
- GHS-signal word: Danger
- GHS-H sentences: H271 - H302 - H411
- GHS-P sentences: P221 - P283 - P210 - P306 + P360 - P371 + P380 + P375 - P501a
- Tariff number: 2829 11 00 00
- Applications: laboratory reagent, oxidizing , manufacture of dyes, in explosive compositions, cosmetics, herbicide, in the pharmaceutics industry (oxidizing agent).

SO0210 Sodium chlorate, EssentQ®

assay (argentometric) . . . . . min. 98 %
chlorides (Cl) . . . . . max. 0,1 %
sulfates (SO_4) . . . . . max. 0,01 %
heavy metals (as Pb) . . . . . max. 0,005 %
iron (Fe) . . . . . max. 0,005 %

ART. NO.	VOLUME	CONTAINER
SO02100500	500 g	P
SO02101000	1 kg	P

ART. NO.	VOLUME	CONTAINER
SO0210005P	5 kg	P
SO0210025P	25 kg	P

SO0213 Sodium chlorate, ExpertQ®, for analysis, ACS

assay (argentometric) . . . . . min. 99,0 %
identity (IR-spectrum) . . . . . passes test
insoluble in water . . . . . max. 0,005 %
bromates (BrO_3) . . . . . max. 0,015 %
chlorides (Cl) . . . . . max. 0,005 %
sulfates (SO_4) . . . . . max. 0,001 %
calcium (Ca) . . . . . max. 0,002 %
iron (Fe) . . . . . max. 5 ppm
heavy metals (as Pb) . . . . . max. 0,001 %
magnesium (Mg) . . . . . max. 0,002 %
potassium (K) . . . . . max. 0,01 %

ART. NO.	VOLUME	CONTAINER
SO02130500	500 g	P
SO02131000	1 kg	P

SODIUM CHLORIDE

- Synonyms: Salt, Common salt, Rock salt, Sea salt
- NaCl
- M = 58,44 g/mol
- CAS [7647-14-5]
- EINECS-No.: 231-598-3
- Solub. in water: (20 °C): 358 g/l
- Melting point: 801 °C
- Boiling point: 1461 °C
- Vapour pressure: (865 °C) 1,3 hPa
- LD 50 (oral, rat): 3000 mg/kg
- Tariff number: 2501 00 31 00
- Applications: analytical chemistry, laboratory reagent, to make sodium salts, in food industry, for decreasing the melting point of water.

SO0224 Sodium chloride, EssentQ®

assay (argentometric) . . . . . min. 99 %
identity (IR-spectrum) . . . . . passes test
insoluble in water . . . . . max. 0,1 %
acidity (as HCl) . . . . . max. 0,05 %
bromides (Br) . . . . . max. 0,1 %
sulfates (SO_4) . . . . . max. 0,1 %
ammonium (NH_4) . . . . . max. 0,1 %
potassium (K) . . . . . max. 0,2 %

ART. NO.	VOLUME	CONTAINER
SO02241000	1 kg	P
SO0224005P	5 kg	P
SO0224025P	25 kg	P