

SO0115 Sodium carbonate anhydrous, extra pure, Pharmapur®, Ph Eur, BP, NF



assay (acidimetric, referred to dried sample) 99,5 - 100,5 %
 identification passes test
 appearance of solution passes test
 alkali hydroxides and bicarbonates passes test
 chlorides (Cl) max. 125 ppm
 sulfates (SO₄) max. 250 ppm
 arsenic (As) max. 5 ppm

iron (Fe) max. 50 ppm
 loss on drying (105°C, 4h) max. 0,5 %
 loss on drying (300°C) max. 1,0 %
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
SO01150500	500 g	
SO01151000	1 kg	
SO0115005P	5 kg	
SO0115025P	25 kg	

SO0116 Sodium carbonate anhydrous, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur



assay (acidimetric, on dried sample) min. 99,8 %
 identity (IR-spectrum) passes test
 insoluble in water max. 0,01 %
 chlorides (Cl) max. 0,001 %
 phosphates (as PO₄) max. 0,001 %
 phosphates and silicates (as SiO₂) max. 0,005 %
 silica (SiO₂) max. 0,005 %
 total nitrogen (as N) max. 0,001 %
 aluminium (Al) max. 0,001 %

arsenic (As) max. 1 ppm
 calcium (Ca) max. 0,005 %
 heavy metals (as Pb) max. 5 ppm
 iron (Fe) max. 5 ppm
 magnesium (Mg) max. 5 ppm
 potassium (K) max. 0,005 %
 sulphur compounds (as SO₄) max. 0,003 %
 loss on drying (300 °C) max. 1,0 %

ART. NO.	VOLUME	CONTAINER
SO01160500	500 g	
SO01161000	1 kg	
SO0116005P	5 kg	
SO0116025P	25 kg	

SODIUM CARBONATE DECAHYDRATE

- Synonyms: Soda decahydrate
- Na₂CO₃·10H₂O
- M = 286,14 g/mol
- CAS [6132-02-1]
- EINECS-No.: 207-838-8
- Solub. in water: (20 °C): ~ 210 g/l

- Melting point: 33°C
- LD 50 (oral, rat): 4090 mg/kg (anhydrous substance)
- EC-Index-No.: 011-005-00-2
- GHS-signal word: Warning
- GHS-H sentences: H319

- GHS-P sentences: P280 - P264 - P305 + P351 + P338 - P337 + P313
- Tariff number: 2836 20 00 00
- Applications: analytical chemistry, laboratory reagent, for pharmaceutical use, in food industry (E 500), in the textile industry, whitener agent.

SO0117 Sodium carbonate decahydrate, extra pure, Pharmapur®, Ph Eur, BP



assay (acidimetric, as Na₂CO₃) 36,7 - 40,0 %
 identification passes test
 appearance of solution passes test
 alkali hydroxides and bicarbonates passes test
 chlorides (Cl) max. 50 ppm
 sulfates (SO₄) max. 100 ppm
 arsenic (As) max. 2 ppm

iron (Fe) max. 20 ppm
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
SO01170500	500 g	
SO01171000	1 kg	
SO0117005P	5 kg	
SO0117025P	25 kg	

SO0118 Sodium carbonate decahydrate, ExpertQ®, for analysis, ISO, Reag. Ph Eur



assay (acidimetric) 99,0 - 102,0 %
 assay (acidimetric, as Na₂CO₃) 36,7 - 40,0 %
 identity (IR-spectrum) passes test
 appearance of solution passes test
 chlorides (Cl) max. 0,001 %
 phosphates and silicates (as SiO₂) max. 0,003 %
 sulfates (SO₄) max. 100 ppm
 total nitrogen (as N) max. 5 ppm

total sulphur (as SO₄) max. 0,003 %
 aluminium (Al) max. 5 ppm
 arsenic (As) max. 2 ppm
 calcium (Ca) max. 0,002 %
 heavy metals (as Pb) max. 5 ppm
 iron (Fe) max. 2 ppm
 magnesium (Mg) max. 2 ppm
 potassium (K) max. 0,005 %

ART. NO.	VOLUME	CONTAINER
SO01180500	500 g	
SO01181000	1 kg	
SO0118005P	5 kg	

SODIUM CARBONATE, SATURATED SOLUTION

SO0123 Sodium carbonate, saturated solution



- Na₂CO₃
- M = 105,99 g/mol
- CAS [497-19-8]
- EINECS-No.: 207-838-8
- EC-Index-No.: 011-005-00-2
- GHS-signal word: Warning
- GHS-H sentences: H319

- GHS-P sentences: P280 - P264 - P305 + P351 + P338 - P337 + P313
- Tariff number: 2836 20 00 00
- Applications: laboratory reagent, analytical chemistry, photography.

composition: 210 g Na₂CO₃ /1 liter of H₂O

ART. NO.	VOLUME	CONTAINER
SO01231000	1 l	