

PRODUCT CODE: 141648

Sodium Carbonate anhydrous (USP-NF, BP, Ph. Eur.) pure, pharma grade

CNa_2O_3

Na_2CO_3

M.= 105,99

CAS [497-19-8]

EINECS 207-838-8

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PHYSICAL DATA: powder, White, Soluble in water 210 g/l at 20 °C Hygroscopic • D 2,53 • M.P.: 851 °C • pH(50g/l)11,5 •

BIBLIOGRAPHY: Merck Index **12**, 8.739 13, 8.668 Sax **SFO000** • Safety **2**, **3134 D** • Römp **8**, **2729** • Kühn-Birett **N 36** • Fieser **7332** • ACS **XI** • ISO 6353/2-1983R - 30 , 41 • **BP.2021** • **USP -NF 38** • Ph. Eur. **9.0** (2017) **10.0** (2020) • F.C.C **12 13** • **BOE 243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: C.E: 011-005-00-2 • RTECS: VZ 4050000 • LD50 oral rat 4.090 mg/kg • LC50 rat 2300mg/m3 / 2h •



H: H319 •

P: P264 • P280 • P305+P351+P338 • P337+P313 •

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s.	99,5-100,5%
Identity :	
Identity according to Pharmacopoeias:	passes test

Maximum limit of impurities

Appearance of solution	passes test
Insoluble matter in H ₂ O	0,025 %
Loss on drying at 300°C	0,5%
Chloride (Cl)	0,01%
Nitrogen compounds (as N)	0,005%

Phosphate (PO4)	0,005 %
Sulfate (SO4)	0,0250%
Residual solvents (Ph.Eur/USP)	passes test
Alkaline hydroxides and hydrogen carbonates	passes test

Ca	0,01 %
Fe	0,001 %
K	0,05 %
Mg	0,01 %

Elemental impurities (ICH Q3D):

Class 1

Cd	0,5 ppm
Pb	0,5 ppm
As	1,5 ppm
Hg	1,5 ppm

Class 2A

Co	5 ppm
V	10 ppm
Ni	20 ppm

Class 2B

Tl	0,8 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm

Class 3

Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm