

**PRODUCT CODE: 141648****Sodium Carbonate anhydrous (USP-NF, BP, Ph. Eur.) pure, pharma grade**

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 $\text{CNa}_2\text{O}_3$  $\text{Na}_2\text{CO}_3$ 

M.= 105,99

CAS [497-19-8]

EINECS 207-838-8

TARIC 2836 20 00 00

**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.**2018** • USP -**NF 36** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • 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 <sub>2</sub> O	0,025 %
Loss on drying at 300°C	0,5%
Chloride (Cl)	0,01%
Nitrogen compounds (as N)	0,005%
Phosphate (PO <sub>4</sub> )	0,005 %
Sulfate (SO <sub>4</sub> )	0,025%
Residual solvents (Ph.Eur/USP)	passes test
Alkaline hydroxides and hydrogen carbonates	passes test
Heavy metals (as Pb)	0,001%
As	0,00015 %
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