

**PRODUCT CODE: 141638****Sodium Hydrogen Carbonate (USP, BP, Ph. Eur.) pure, pharma grade**

CHNaO₃NaHCO₃

M.= 84,01

CAS [144-55-8]

EINECS 205-633-8

TARIC 2836 30 00 00

SYNONYMS: Sodium Bicarbonate**PHYSICAL DATA:** crystalline powder, White, Soluble in water 100 g/l at 20 °C Thermal decom. above 50 °C • D 2,159
• pH8,2 •**BIBLIOGRAPHY:** Merck Index **13**, 8.655 Safety **2** , **3143 A** • Röm p **8** , **2737** • Fieser **3260 5595** • ACS **XI** • ISO 6353/3-1987R - 89 , 65 • BP.**2025** • USP **43** • Ph. Eur. **10.0** (2019) **11.0** (2023) • F.C.C **12 13** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: RTECS: VZ 0950000 • LD50 oral rat 4.220 mg/kg •

SPECIFICATIONS:

Assay (Acidim.) 99,0-100,5%

Identity :

Identity according to Pharmacopoeias: passes test

Maximum limit of impurities

Appearance of solution passes test

Loss on drying 0,25%

Chloride (Cl) 0,005%

Sulfur compounds (as SO₄) 0,015 %Ammonium (NH₄) 0,002%Phosphate (PO₄) 0,002 %Sulfate (SO₄) 0,01%

Carbonate passes test

Residual solvents (Ph.Eur/USP) passes test

As	0,00015 %
Ca	0,01 %
Fe	0,0005 %

Elemental impurities (ICH Q3D):

Class 1

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

Class 2A

Co	5 ppm
V	10 ppm
Ni	20 ppm

Class 2B

Ti	5 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