

PRODUCT CODE: 131648**Sodium Carbonate anhydrous (Reag. Ph. Eur.) for analysis, ACS**

CNa₂O₃
Na₂CO₃

M.= 105,99 CAS [497-19-8]
TARIC 2836 20 00 00

EINECS 207-838-8

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.2017 • USP -NF **34** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **9 10** • 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:

Minimum assay (Acidim.) after drying at 285°C 99,5%

Maximum limit of impurities

| | |
|--|----------|
| Insoluble matter in H ₂ O | 0,005 % |
| Reducing substances of I2 | 0,005 % |
| Loss on drying at 285°C | 1,0% |
| Chloride (Cl) | 0,001% |
| Nitrogen compounds (as N) | 0,001% |
| Sulfur compounds (as SO ₄) | 0,003 % |
| Phosphate (PO ₄) | 0,001 % |
| Silicate (as SiO ₂) | 0,005% |
| Heavy Metals (ICP-OES) | 0,0005 % |

| | |
|----|----------|
| Al | 0,001 % |
| As | 0,0001 % |
| Ca | 0,005 % |
| Cu | 0,0005 % |
| Fe | 0,0005 % |
| K | 0,005 % |
| Mg | 0,002 % |
| Ni | 0,0005 % |
| Pb | 0,0005 % |

Elemental impurities (ICH Q3D):

Class 1

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

Class 2A

| | |
|----|--------|
| Co | 5 ppm |
| V | 10 ppm |
| Ni | 5 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 | 5 ppm |
| Sn | 600 ppm |
| Cr | 25 ppm |

DOMINIQUE DUTSCHER SAS