



PRODUCT CODE: 141116

Ammonium Hydrogen Carbonate (BP, Ph. Eur.) pure, pharma grade

CH_5NO_3

$(\text{NH}_4)\text{HCO}_3$

M.= 79,06

CAS [1066-33-7]

EINECS 213-911-5

TARIC 2836 99 17 80

SYNONYMS: Ammonium Bicarbonate

PHYSICAL DATA: crystalline powder, White, Soluble in water 176 g/l at 20 °C Thermal decom. above 105 °C • D 2,4 • M.P.: 105 °C • pH(50 g/l)8 •

BIBLIOGRAPHY: Merck Index **13**, 497 Safety **2**, **232 C** • Römp **8**, **189** • BP.**2025** • 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: BO 8600000 • LD50 oral rat 1.576 mg/kg •



H: H302 •

P: P264 • P270 • P301+P312 • P330 • P501 •

SPECIFICATIONS:

Assay (Acidim.)	98,0-101,0 %
Identity :	
Identity according to Pharmacopoeias:	passes test

Maximum limit of impurities

Insoluble matter in H ₂ O	0,01 %
Chloride (Cl)	0,005%
Phosphate (PO ₄)	0,005 %
Sulfate (SO ₄)	0,007%
Sulfide	passes test
Residual solvents (Ph.Eur.)	passes test

Heavy metals (as Pb)	0,001%
Ca	0,01 %
Fe	0,001 %

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