




Specification

Concerning Product:	
Article number	20441
Trade name / designation / denomination	Ammoniumbicarbonat, food grade
CAS number	1066-33-7
Other names / synonyms	•AMMONIUM BICARBONATE; •Ammonium Bicarbonate, Crystal, Reagent; •Ammonium Bicarbonate, FCC; •Ammonium Carbonate, Powder, FCC; •Ammonium Carbonate, Powder, NF; •Ammonium bicarbonate; •Ammonium bicarbonate, food grade; •Ammonium hydrogen carbonate; •ammonium hydrogen carbonate; •ammonium hydrogencarbonate;
EC number	213-911-5
Customs tariff number / CN code / TARIC	28369917
Molecular weight [g / mol]	79,06
Formula	CH ₅ NO ₃
Warning 	
Harmful if swallowed.	

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance		fine, white powder	
Odour		slight smell of ammonia	
Identity			
Assay	(calc.)	CO ₂ : ≥ 55,3	%
Assay	(calc.)	NH ₃ : ≥ 21,4	%
Assay	FCC	NH ₄ HCO ₃ : ≥ 99,9	%
Impurities			
Residue on ignition	JP-Pharm.	≤ 0,01	%

Heavy Metals (as Pb)	FCC	≤ 3	ppm
Nonvolatile residue	FCC	≤ 0,01	%
Sulphates (SO ₄)	FCC	≤ 30	ppm
Elemental Impurities			
Arsenic (As)	ICP-OES	≤ 1	ppm
Cadmium (Cd)	ICP-OES	≤ 0,3	ppm
Chlorides (Cl)	FCC	≤ 30	ppm
Iron (Fe)	ICP-OES	≤ 3	ppm
Mercury (Hg)	ICP-OES	≤ 0,04	ppm
Lead (Pb)	ICP-OES	≤ 0,5	ppm

Regulatory information:

Registration status:

- DIN EN ISO 9001
- FDA: Current Good Manufacturing Practice
- Hazard Analysis
- Risk-Based Preventive Controls for Human Food
- 21 CFR Part 117
- BRC Global Standard for Food Safety Issue 7
- FDA Food Safety Modernization Act
- ISO 22000:2005, ISO/TS 22002-1:2010
- FSSC 22000

Supplemental information:

Released by manufacturer: 2017-04-06

Complies with monographie: E 503ii, EU/231/2012, FAO/WHO/JECFA, FCC, EP, BP

Regional origin: D

Version of manufacturer: 2

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 23. May. 2019

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