

ANTIMONY(III) OXIDE

AN0450 Antimony(III) oxide, EssentQ®



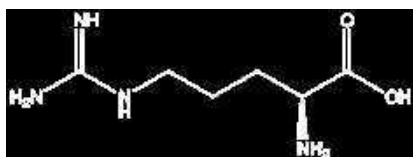
- Synonyms: di-Antimony trioxide
- Sb_2O_3
- $M = 291,50 \text{ g/mol}$
- CAS [1309-64-4]
- EINECS-No.: 215-175-0
- Solub. in water: (20 °C): 2,70 mg/l
- Melting point: 656 °C (sublimes)
- Vapour pressure: (574 °C) 1,3 hPa
- LD 50 (oral, rat): > 20000 mg/kg
- EC-Index-No.: 051-005-00-X
- GHS-signal word: Warning
- GHS-H sentences: H351
- GHS-P sentences: P281 - P201 - P202 - P308 + P313 - P405 - P501a
- Tariff number: 2825 80 00 00
- Applications: manufacture of dyes, analytical chemistry.

assay (iodometric) min. 99 %

ART. NO.	VOLUME	CONTAINER
AN0450005P	5 kg	

L-ARGININE

AR0120 L-Arginine, extra pure, Pharmapur®, Ph Eur, BP, USP



- Synonyms: 2-Amino-5-guanidinovaleric acid
- $C_6H_{14}N_4O_2$
- $M = 174,20 \text{ g/mol}$
- CAS [74-79-3]
- EINECS-No.: 200-811-1
- Solub. in water: (20 °C): 148,7 g/l
- Melting point: 216 - 218 °C (decomposes)
- LD 50 (oral, rat): > 5110 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H319
- GHS-P sentences: P280 - P264 - P305 + P351 + P338 - P337 + P313
- Tariff number: 2925 29 00 90
- Applications: for pharmaceutical use, in food industry, in pharma industry.

assay (titr. with $HClO_4$, referred to dried sample) 98,5 - 101,5 %

assay (acidimetric, referred to dried sample) 98,5 - 101,0 %

identification passes test

appearance of solution passes test

specific rotation ($[\alpha]_{25}^{20}D$; $c=8$, HCl 6N) + 26,3° - + 27,7°

specific rotation ($[\alpha]_{20}^{20}D$, $c = 8$, HCl 250g/l on dried substance) + 25,5° - + 28,5°

chlorides (Cl) max. 200 ppm

sulfates (SO_4) max. 300 ppm

ammonium (NH_4) max. 0,02 %

iron (Fe) max. 10 ppm

ninhydrin-positive substances passes test

residue on ignition max. 0,1 %

loss on drying (105 °C) max. 0,5 %

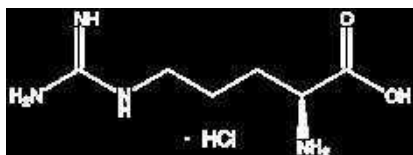
Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.

Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
AR01200100	100 g	
AR01200500	500 g	
AR0120005P	5 kg	
AR0120025P	25 kg	

L-ARGININE MONOHYDROCHLORIDE

AR0125 L-Arginine monohydrochloride, extra pure, Pharmapur®, Ph Eur, BP, USP



- Synonyms: α -Amino- δ -guanidino valeric acid hydrochloride
- $C_6H_{14}N_4O_2 \cdot HCl$
- $M = 210,86 \text{ g/mol}$
- CAS [1119-34-2]
- EINECS-No.: 214-275-1
- Solub. in water: (20 °C): 730 g/l
- Melting point: 218 - 220 °C (decomposes)
- LD 50 (oral, rat): 12000 mg/kg
- Tariff number: 2925 29 00 90
- Applications: synthesis of organic products, for pharmaceutical use, in biochemistry, in food industry, in pharma industry.

assay (titr. with $HClO_4$, referred to dried sample) 98,5 - 101,0 %

chloride content 16,5 - 17,1 %

identification passes test

appearance of solution passes test

specific rotation ($[\alpha]_{20}^{20}D$, $c = 8$, HCl 250g/l on dried substance) + 21,0° - + 23,5°

specific rotation ($[\alpha]_{20}^{20}D$, $c = 8$, HCl 6N) + 21,4° - + 23,6°

sulfates (SO_4) max. 300 ppm

ammonium (NH_4) max. 0,02 %

iron (Fe) max. 10 ppm

ninhydrin-positive substances max. 0,5 %

residue on ignition max. 0,1 %

loss on drying (105 °C) max. 0,2 %

Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.

Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
AR01250050	50 g	
AR01250250	250 g	
AR0125005P	5 kg	

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z