

AG0036 Agarose High Resolution, electrophoresis grade

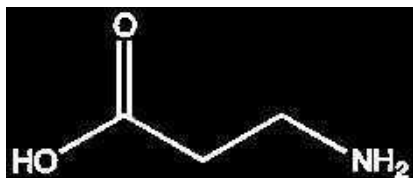
gel strength (1,5%)min. 1000 g/cm²
gelling point 30 - 38 °C
melting point 82 - 90 °C
sulfates (SO₄) max. 0,15 %

Allows resolution of small DNA, RNA and OCR fragments < 1000 bp
electroendosmosismax. 0,15 -mr
resolutionpasses test
water max. 10 %
DNases, RNases non detected

ART. NO.	VOLUME	CONTAINER
AG00360025	25 g	Ⓟ

b-ALANINE

AL0035 b-Alanine, EssentQ®



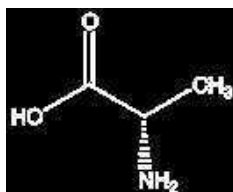
- Synonyms: 3-Aminopropanoic acid, Ala
- C₃H₇NO₂
- M = 89,09 g/mol
- CAS [107-95-9]
- EINECS-No.: 203-536-5
- Solub. in water: (20 °C): 545 g/l
- Melting point: 200 °C (decomposes)
- Tariff number: 2922 49 20 00
- Applications: in biochemistry.

assay (titration with HClO₄, on dried sample) min. 98,5 %
identity (IR-spectrum)passes test

ART. NO.	VOLUME	CONTAINER
AL00350250	250 g	Ⓟ

L-ALANINE

AL0030 L-Alanine, extra pure, Phampur®, Ph Eur, BP, USP



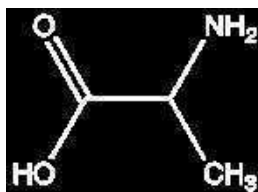
- Synonyms: α-Aminopropanoic acid, 2-Aminopropanoic acid, Ala
- C₃H₇NO₂
- M = 89,09 g/mol
- CAS [56-41-7]
- EINECS-No.: 200-273-8
- Solub. in water: (25 °C): 166,5 g/l
- Melting point: 295 - 297 °C (decomposes)
- Tariff number: 2922 49 95 90
- Applications: nutrient media for bacterial culture, synthesis of organic products, in biochemistry, in pharma industry.

assay (titration with HClO₄, on dried sample) 98,5 - 101,0 %
identificationpasses test
appearance of solutionpasses test
specific rotation ([α]₂₅^D, 100g/l, HCl 6 mol/l) + 13,7° - + 15,1°
specific rotation ([α]₂₀^D, 100g/l, HCl 250g/l) + 13,5° - + 15,5°
pH (5 %, H₂O, 25°C) 5,5 - 7,0
chlorides (Cl) max. 200 ppm
sulfates (SO₄) max. 300 ppm
ammonium (NH₄) max. 0,02 %
iron (Fe) max. 10 ppm
ninhydrin-positive substancespasses test
related substancespasses test
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
AL00300100	100 g	Ⓟ

DL-ALANINE

AL0025 DL-Alanine, EssentQ®



- Synonyms: 2-Aminopropionic acid, Ala
- C₃H₇NO₂
- M = 89,09 g/mol
- CAS [302-72-7]
- EINECS-No.: 206-126-4
- Solub. in water: (25 °C): 167 g/l
- Melting point: 264 - 296 °C (decomposes)
- Tariff number: 2922 49 95 90
- Applications: in biochemistry, in food industry.

assay (titration with HClO₄) min. 99 %
identity (IR-spectrum)passes test
insoluble in water max. 0,05 %
chlorides (Cl) max. 0,01 %
sulfates (SO₄) max. 0,01 %
ammonium (NH₄) max. 0,02 %
arsenic (As) max. 1,5 ppm
copper (Cu) max. 0,001 %
heavy metals (as Pb) max. 0,001 %
iron (Fe) max. 0,001 %
lead (Pb) max. 0,001 %
nickel (Ni) max. 0,001 %
related substances (TLC)passes test
residue on ignition max 0,1 %
loss on drying (105 °C) max. 0,5 %

ART. NO.	VOLUME	CONTAINER
AL00250100	100 g	Ⓟ