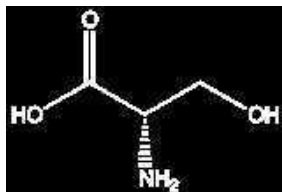


L-SERINE

SE0105 L-Serine, extra pure, Pharnpur®, Ph Eur, BP, USP



- Synonyms: 3-Hydroxy-L-alanine
- C₃H₇NO₃
- M = 105,09 g/mol
- CAS [56-45-1]
- EINECS-No.: 200-274-3
- Solub. in water: (20 °C): 364 g/l
- Melting point: 215 - 225 °C
- Tariff number: 2922 50 00 90
- Applications: in biochemistry, synthesis of organic products, in pharma industry.

assay (titration with HClO₄, on dried sample) 98,5 - 101,0 %
 identification passes test
 appearance of solution passes test
 specific rotation ([α]_D²⁰; c = 10, HCl 2N, on dried sample). + 14,0 ° - + 16,0 °
 specific rotation ([α]_D²⁵; c = 10, HCl 2N) + 14,0 ° - + 15,6 °
 chlorides (Cl) max. 200 ppm
 sulfates (SO₄) max. 300 ppm
 ammonium (NH₄) 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. 0,2 %
 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
SE01050100	100 g	0

SILICA GEL (ORANGE)

GE0042 Silica gel with humidity indicator (orange), 1 - 3 mm

- Solub. in water: (20 °C): 1 g/l
- Melting point: > 1000 °C
- Tariff number: 2811 22 00 90
- Applications: desiccant.

water absorption capacity (24 hours at 80 % relative humidity). min. 27 %
 loss on drying (180 °C) max. 2 %

ART. NO.	VOLUME	CONTAINER
GE00420500	500 g	P
GE00421000	1 kg	P
GE0042005P	5 kg	P
GE0042025P	25 kg	P

GE0043 Silica gel with humidity indicator (orange), 2,5 - 6 mm

- Solub. in water: (20 °C): insoluble
- Melting point: > 1000 °C
- Tariff number: 2811 22 00 90
- Applications: analytical chemistry, chromatography.

water absorption capacity (24 hours at 80 % relative humidity). min. 27 %
 loss on drying (180 °C) max. 2 %

ART. NO.	VOLUME	CONTAINER
GE00430500	500 g	P
GE00431000	1 kg	P
GE0043005P	5 kg	P
GE0043025P	25 kg	P

SILICA GEL 60, FOR FLASH CHROMATOGRAPHY

GE0048 Silica gel 60, 0,04 - 0,06 mm, for flash chromatography (230 - 400 mesh ASTM)

- SiO₂
- M = 60,09 g/mol
- CAS [7631-86-9]
- EINECS-No.: 231-545-4
- Solub. in water: (20 °C): insoluble
- Tariff number: 2811 22 00 10
- Applications: analytical chemistry, chromatography.

mean pore diameter 60 Å
 pH (10 %, H₂O). approx. 7
 spec. surface. approx. 450 m²/g
 activity degree. II (Brockmann/Shodder)
 iron (Fe) max. 0,03 %
 chlorides (Cl) max. 0,01 %

ART. NO.	VOLUME	CONTAINER
GE00481000	1 kg	P
GE0048005P	5 kg	P
GE0048025P	25 kg	P