Specification

L-Serine (Ph. Eur., USP) pure, pharma grade A1708

Solubility:	364 g/L (H_2O)
Physical Description:	Solid
Product Code:	A1708
Product Name:	L-Serine (Ph. Eur., USP) pure, pharma grade
Headline Comment:	• All amino acids from AppliChem are of non-animal origin!
Specifications:	Assay (titr., calc. on dried subst.): 98.5 - 101.0 % α20°C/D; 10 %, 2 M HCl, calc. on dried subst.: +14.0° - +16.0° α25°C/D; 10 %, 2 N HCl: +14.0° - +15.6° Appearance of solution: passes test Identity: passes test Heavy metals (as Pb): max. 0.0015 % Sulfated ash: max. 0.1 % Loss on drying (3 h; 105°C): max. 0.2 % Ammonium: max. 0.02 % Chloride: max. 0.02 % Sulfate: max. 0.03 % Fe: max. 0.001 % Ninhydrin positive substances (HPLC) Total impurities: max. 0.5 % each individual impurity: max. 0.2 % Ninhydrin positive substances (TLC) Total impurities: max. 2 % Each individual impurity: max. 0.5 %
WGK:	1
Storage:	RT
Molecular Formula:	$C_3H_7NO_3$

AppliChem GmbH
Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • **info.de@itwreagents.com** • **www.itwreagents.com**
CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 007 225 00192 • Register court Darmstadt HRB Nr. 7340

Specification

L-Serine (Ph. Eur., USP) pure, pharma grade A1708

M:	105.09 g/mol
CAS:	56-45-1
EINECS:	200-274-3
CS:	29225000

AppliChem GmbH
Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • **info.de@itwreagents.com** • **www.itwreagents.com**
CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 007 225 00192 • Register court Darmstadt HRB Nr. 7340