Specification

L-Asparagine 1-hydrate (Ph. Eur.) pure, pharma grade A1668

Solubility:	30 g/L (H_2O)
Physical Description:	Solid
Product Code:	A1668
Product Name:	L-Asparagine 1-hydrate (Ph. Eur.) pure, pharma grade
Headline Comment:	• All amino acids from AppliChem are of non-animal origin!
Specifications:	Assay (titr., dried subst.): 99.0 - 101.0 % α20°C/D; 10 %, 3 N HCl, dried subst.: +33.7° - +36.0° Appearance of solution: passes test Identity: passes test Sulfated ash: max. 0.1 % Loss on drying: 10.5 - 12.5 % pH (2 %; H_2O): 4.0 - 6.0 Ammonium: max. 0.1 % Chloride: max. 0.02 % Sulfate: max. 0.02 % Fe: max. 0.001 % Related subst. (HPLC) Impurity C: max. 0.1 % Impurity A: max. 0.5 % Each unspecified impurity: max. 0.05 % Total impurities: max. 0.8 % Elemental impurities (according to ICH Q3D): Class 1 (Hg): max. 1.5 ppm Class 2A (Ni): max. 20 ppm Class 1 (As): max. 1.5 ppm Class 2A (V): max. 10 ppm Class 3 (Sn): max. 600 ppm Class 2B (Rh): max. 10 ppm Class 3 (Li): max. 55 ppm

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	Class 2B (Au): max. 10 ppm Class 2B (Pt): max. 10 ppm Class 2B (Se): max. 15 ppm Class 2B (Pd): max. 10 ppm Class 2B (Os): max. 10 ppm Class 3 (Mo): max. 25 ppm Class 3 (Cu): max. 250 ppm Class 2A (Co): max. 5 ppm Class 2B (Tl): max. 1 ppm Class 3 (Cr): max. 25 ppm Class 1 (Cd): max. 0.5 ppm Class 2B (Ru): max. 10 ppm Class 2B (Ag): max. 15 ppm Class 3 (Sb): max. 120 ppm Class 1 (Pb): max. 0.5 ppm Class 2B (Ir): max. 10 ppm Class 3 (Ba): max. 140 ppm
WGK:	1
Storage:	RT
Molecular Formula:	$C_4H_8N_2O_3 \cdot H_2O$
M:	150.14 g/mol
CAS:	5794-13-8
EINECS:	200-735-9
CS:	29241900

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