

Specification

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

A1637

Solubility:	85 g/L (H ₂ O)
Physical Description:	Solid
Product Code:	A1637
Product Name:	L-Valine (Ph. Eur., USP) pure, pharma grade
Headline Comment:	• All amino acids from AppliChem are of non-animal origin!
Specifications:	<p>Assay (titr., calc. on dried subst.): 98.5 - 101.0 %</p> <p>α20°C/D; 8 %, 250 g/L HCl, calc. on dried subst.: +26.5° - +29.0°</p> <p>Appearance of solution: passes test</p> <p>Identity: passes test</p> <p>pH (5 %; H₂O): 5.5 - 7.0</p> <p>Heavy metals (as Pb): max. 0.0015 %</p> <p>Sulfated ash: max. 0.1 %</p> <p>Loss on drying (3 h; 105°C): max. 0.3 %</p> <p>α25°C/D; 8 %, 6 M HCl: +26.6° - +28.8°</p> <p>Ammonium: max. 0.02 %</p> <p>Chloride: max. 0.02 %</p> <p>Sulfate: max. 0.03 %</p> <p>Fe: max. 0.001 %</p> <p>Ninhydrin positive substances (HPLC)</p> <p>Isoleucine: max. 0.4 %</p> <p>Any other ninhydrin-pos. Subst.: max. 0.2 %</p> <p>Total impurities: max. 1.0 %</p> <p>Related subst. (TLC)</p> <p>Any unspecified impurity: max. 0.2 %</p> <p>Sum of other amino acids: max. 1.0 %</p> <p>Isoleucine: max. 0.2 %</p>
WGK:	1


AppliChem GmbH

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Specification

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

A1637

Storage:	RT
Molecular Formula:	$C_5H_{11}NO_2$
M:	117.15 g/mol
CAS:	72-18-4
EINECS:	200-773-6
CS:	29224985
	

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