

Specification

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

A1440

Solubility:	32 g/L (H ₂ O)
Physical Description:	Solid
Product Code:	A1440
Product Name:	L-Isoleucine (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; 4 %; 250 g/L HCl; calc. on dried subst.: +40.0° - +43.0°</p> <p>Appearance of solution: passes test</p> <p>Identity: passes test</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; 4 %; 6 N HCl: +38.9° - +41.8°</p> <p>pH (1 %; H₂O): 5.5 - 7.0</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>Valine: max. 0.3 %</p> <p>Total impurities: max. 1.0 %</p> <p>Leucine: max. 0.3 %</p> <p>Any other ninhydrin-pos. Subst.: max. 0.2 %</p> <p>Ninhydrin positive substances (TLC)</p> <p>Total impurities: max. 2 %</p> <p>Valine: max. 0.5 %</p>
WGK:	1


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 07 228 16476 • Register court Darmstadt HRB Nr. 7340

Specification

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

A1440

Storage:	RT
Molecular Formula:	$C_6H_{13}NO_2$
M:	131.18 g/mol
CAS:	73-32-5
EINECS:	200-798-2
CS:	29224985
	

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