



# Product Specification



Material	42307-VK
Material description	L(+)-Lysine
CAS Number	56-87-1
Molecular formula	C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub>
Molecular mass	146.19
Storage	Store between 2 °C and 8 °C.
Additional information	

Characteristics	Specifications
Assay (dried basis)	98.5 - 102.0 %
Appearance	Conforms (see CoA/CoS)
DNases	None detected
Identification (IR)	Conforms to structure
Proteases	None detected
RNases	None detected
Solubility in water (10 %):	.
Clear, complete, colorless to yellow	Passes test
Spec.rot.(25°C;8 g/100 ml;HCl 6 N;dried)	25.5 - 26.7 °
Heavy metals (as Pb)	≤ 15 ppm
Moisture (KF)	≤ 2.0 %
Residue on ignition	≤ 0.1 %
SO <sub>4</sub> (Sulphate)	≤ 0.03 %
Fe (Iron)	≤ 30 ppm
Bioburden	≤ 100 CFU/g
Cytotoxicity	Passes test
Endotoxin (1 %)	≤ 0.1 EU/mg
Country of origin	France
Source (non-animal/non-human derived)	Confirmed

Signature	Additional information
<p>We certify that this batch conforms to the specifications listed above.</p> <p>This document has been produced electronically and is valid without a signature.</p> <p>Naresh Boddu, Head of Laboratory - Aurora VWR Chemicals, LLC, 220 Lena Dr., Aurora, OH 44202, USA</p>	<p>Appearance: White to off-white, free-flowing, crystalline powder.</p>

For Professional use in Laboratory or Manufacturing. Not for use as an Active Pharmaceutical Ingredient or Food or Animal Feed. Suitability and intended use of the product remains the responsibility of the user.