



We Bring Natural Ingredient From Nature

Shaanxi Guanjie Bio-technology Co., Ltd(factory)

Certificate of Analysis

Product Name	L-Arginine	Manufacture Date	Oct.07, 2022
Batch No.	LA221007	Certificate Date	Oct.12, 2022
Batch Quantity	1000kgs	Expiration Date	Oct.06, 2024
Storage Condition	Store in cool & dry place, Keep away from strong light and heat.		

Item	Specification	Result
Assay	98.5%~101.5%	99.6%
Appearance	Powder	Conform
Color	White crystals or crystalline	Conform
Identification	Meet the requirement	Conform
Specific rotation[a] _{D20}	+26.3°C~+27.7°C	+27.0°C
Loss on drying	≤0.50%	0.17%
Residue on ignition	≤0.30%	0.06%
Iron (Fe)	≤0.003%	Conform
Chloride (Cl)	≤0.05%	Conform
Sulfate (SO ₄)	≤0.03%	Conform
Heavy Metals, as Pb	≤0.0015%	Conform
Chromatographic Purity	Not more than 0.5% of any individual is found; Not more than 2.0% of total impurities is found.	Conform
Organic volatile impurities	Meets the requirements	Conform
Conclusion: This Batch is conforming with the standard of USP30.		

Conclusion: Complies with specification

Tested by: Liu gang

Date: 2022.10.12

Approved by: Susan Sun, Ph.D

Date: 2022.10.12

