

JIZHOU CITY HUAYANG CHEMICAL CO., LTD.

Add: Xinzhuang Industrial Park, Jizhou City ,Hebei Province, China

Phone: +86-318-8638826

Fax: +86-318-8638826

CERTIFICATE OF ANALYSIS

Product Name: L-Arginine HCl	Quantity: 100kg	Batch No: 20110420
Producing date: 2011.04.20	Sampling date: 2011.04.20	Shelf life: 2013.04.19
Reference standard: USP31		
Item	Specifications	Results
Appearance	White or almost white crystalline powder or colorless crystals	Conform
Identification	Infrared Absorption	Conform
Assay, %	98.5~101.5	99.3
Loss on drying, %	≤0.2	0.2
Heavy metals (as Pb) ,	≤0.002	0.0008
Residue on ignition, %	≤0.10	0.07
Sulfate(as SO ₄),%	≤0.03	0.01
Chloride,%	16.5~17.1	16.7
Chromatographic purity	Meet the requirements	Conform
Residual solvents	Meet the requirements	Conform
Specific Rotation 20℃	+21.4°~ +23.6°	+22.4°
Organic volatile impurities	Meet the requirements	Conform
Conclusion: This product complies with USP31 standard.		

Operator: Jia Jingtian

Checker: Liu Qingshuang