


CERTIFICATE OF ANALYSIS

Product Name:	L-Arginine AKG 1:1	Report Date:	Aug 04, 2017
Formula:	C ₁₇ H ₃₈ N ₈ O ₁₁	Batch No.:	170802
CAS No.:	5256-76-8	Manu. Date:	Aug 02, 2017
Inspection Standard:	In-house Standard	Exp. Date:	Aug 01, 2019

RESULTS OF ANALYSIS

Test Items	Specifications	Results
Appearance	White crystals or crystalline powder	Conforms
Specific rotation $[\alpha]_D^{20}$	+13.5 to +15.5°(8g/100ml, 6N HCl)	+14.2°
Chloride(Cl)	Not more than 0.02%	<0.02%
Ammonium(NH ₄)	Not more than 0.020%	<0.020%
Sulfate(SO ₄)	Not more than 0.02%	<0.02%
Iron(Fe)	Not more than 10ppm	<10ppm
Heavy Metals(Pb)	Not more than 10ppm	<10ppm
Arsenic	Not more than 1ppm	<1ppm
Loss on drying	Not more than 0.5%	0.12%
Residue on ignition(sulfated)	Not more than 0.1%	0.06%
PH	6.5 to 7.0(10% H ₂ O)	6.7
Assay	Not less than 98.0%	99.5%
Conclusion:	Conforms to the specifications of In-house Standard.	

Analyst: **侯健之**Auditor: **辽薛兰**Chief of QC: **于铁梅**