

# SPECIFICATION

JUNSEI CHEMICAL CO.,LTD.  
QUALITY ASSURANCE SECTION  
1-6, Ohmano-cho, Koshigaya-shi,  
Saitama, 343-0844, Japan  
TEL: +81-48-986-6161  
FAX: +81-48-989-2787

Product Code 13014-9050  
Commodity L-Arginine  
Grade The Japanese Standards of Quasi-Drug Ingredients  
Q'ty 1kg

[Test Item]	[Standard]	CASNo.74-79-3
ASSAY (Dried)	98.0 ~ 102.0 %	
Appearance	To pass test	
Identification	To pass test	
Specific rotation [ $\alpha$ ] <sub>D</sub> <sup>20</sup>	+26.9 ~ +27.9 °	
Purity test		
(1) Solubility	colorless, nearly clear	
(2) Chloride	max. 0.02 %	
(3) Ammonium	max. 0.02 %	
(4) Heavy metals	max. 20 ppm	
(5) Arsenic	max. 2 ppm	
Drying loss	max. 0.50 %	
Ignition residue	max. 0.10 %	