



Trafa Pharmaceutical Supplies, LLC

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Specification Sheet

Product Name	L-Arginine-a-Ketoglutarate 2:1
CAS No.	5256-76-8

Test Items	Specification	Method
Appearance	White to Light Yellow Granules	Visual
Identification	Sample retention time corresponds to that of WRS under assay items	HPLC
Specific Rotation	+17.5 ± 1.0°	USP<781S>
Particle Size	Thus 30	Ro-tap
pH	5.5 ~ 7.5	In-house
Loss on Drying	NMT 1.0%	USP<731>
Residue on Ignition	NMT 0.40%	USP<281>
Water Content	NMT 6.8%	USP<921>
Chloride	NMT 0.05%	USP<221>
Heavy Metals (as Pb)	NMT 10ppm	AAS
Arsenic	NMT 1ppm	AAS
Cadmium	NMT 1ppm	AAS
Mercury	NMT 0.1ppm	AAS
L-Arginine	65.5% ~71.5%	HPLC
Alpha Ketoglutaric Acid	26.5% ~ 30.5%	HPLC
Melamine Compounds	Free	In-house
Assay	98.0%~102.0% (on dried basis)	HPLC
Microbial	TVAC: NMT 1,000 cfu/g	USP<2021>
	TYMC: NMT 100 cfu/g	USP<2021>
	E. Coli: Negative in 10g	USP<2022>
	Salmonella: Negative in 10g	USP<2022>
	S. Aureus: Negative in 1g	USP<2022>

Packing Information: N/A

Storage: Preserve in well closed container, store in a cool and dry place, and keep away from strong light and heat. When the product stored under above condition, the Expiry date is 3 years from the manufacture date

Note: The above information is based on the specification sheet received from the manufacturer of this product and not intended as a substitute for strict quality control analysis by the purchaser of this product.

Reviewed by :

Abdullah Malik (QA)