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## Specification Sheet

### ARGININE ALPHAKETOGLUTARATE DIHYDRATE

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
AAKAUP	1450	-	January 27, 2012	JGP	No. 2	MPR

<b>CHARACTERISTICS:</b>	White to light yellow powder.
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<b>MOLECULAR FORMULA:</b>	$C_{17}H_{34}N_8O_9 \cdot 2H_2O$
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<b>MOLECULAR WEIGHT:</b>	530.53
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<b>SPECIFICATIONS:</b>	Assay	
	Arginine	59.1-72.3%
	Alphaketoglutaric acid	24.8-30.3%
	Cadmium	Less than 5 ppm
	Arsenic	Less than 3 ppm
	Lead	Less than 1 ppm
	Mercury	Less than 1 ppm
	Salmonella	Negative 25/g
	Escherichia coli	Negative/g
	Staphylococcus aureus	Negative/g
	Pseudomonas aeruginosa	Negative/10g
	Total plate count	Less than 3,000 cfu/gm
	Yeast and mold	Not more than 300 cfu/g

<b>STOCKING POINTS:</b>	Salt Lake City, UT
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<b>PACKAGING:</b>	20 kg double PE lined carton, with 2 desiccant packs between the liners; 27 cartons per pallet.
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<b>APPLICATIONS:</b>	Nutritional food supplements
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