



# American International Chemical, Inc.

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## SPECIFICATION SHEET

### POTASSIUM ALPHAKETOGLUTARATE HEMIHYDRATE

Code No.	SCN No.	CAS No.	Effective Date	Written	Rev. No.	Approved
KAKAUP	1450	-	March 12, 2004	SDM	No. 2	RVK

<b>CHARACTERISTICS:</b>	White to off white powder. Fully reacted product, which will meet tests for potassium and alphaketoglutaric acid. Product contains 4.43 to 4.89% crystalline water.
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<b>MOLECULAR FORMULA:</b>	$C_5H_5O_5K \cdot 0.5H_2O$
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<b>MOLECULAR WEIGHT:</b>	193.20
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<b>SPECIFICATIONS:</b>	Assay (Potassium content)	19.2-21.2%
	Assay (Alphaketoglutaric Acid content)	68.0-83.2%
	Cadmium	5 ppm max.
	Arsenic	3 ppm max.
	Lead	10 ppm max.
	Total plate count	3,000/g max.
	Yeast and mold	300 cfu/g max.
	Salmonella	Negative
	E. Coli	Negative

<b>STOCKING POINT:</b>	Salt Lake City, UT
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<b>PACKAGING:</b>	25 kg double PE lined carton, with desiccant bags between the liners; 27 cartons per pallet.
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<b>APPLICATIONS:</b>	Nutritional food supplements.
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