



American International Chemical, Inc.

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SPECIFICATION SHEET

TYROSINE ALPHAKETOGLUTARATE

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Written By	Rev. No.	Approved By
TYKAUP	1450	-	June 23, 2005	SDM	SDM	Original	RVK

CHARACTERISTICS:	White to off white powder. Anhydrous form of 2:1 ratio of tyrosine to alphaketoglutaric acid.
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MOLECULAR FORMULA:	$C_{23}H_{28}N_2O_{11}$
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MOLECULAR WEIGHT:	508.48
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SPECIFICATIONS:	Assay:	
	Tyrosine	64.2 – 78.4%
	Alphaketoglutaric acid	25.8 – 31.6%
	Loss on drying	10% max
	Lead	10 ppm max
	Cadmium	5 ppm max
	Arsenic	3 ppm max
	Total plate count	3000/g max
	Yeast and mold	300 cfu/g max
	Salmonella	Negative
Escherichia coli	Negative	

PACKAGING:	25 kg carton
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APPLICATIONS:	Nutritional food supplements
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