



American International Chemical, Inc.

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SPECIFICATION SHEET

CAFFEINE CITRATE

Code No.	SCN No.	CAS No.	Effective Date	Written	Rev. No.	Approved
CFCAUP	1450	69-22-7	October 11, 2004	SDM	No. 1	RVK

CHARACTERISTICS:	White to off white powder. A 1:1 ratio of caffeine and citric acid. Soluble in approximately 4 parts warm water. However, adding more water will cause a portion of the caffeine to separate, which dissolves upon further dilution.
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MOLECULAR FORMULA:	$C_{14}H_{18}N_4O_9$
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MOLECULAR WEIGHT:	386.32
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SPECIFICATIONS:	Assay	
	Caffeine content	45-55%
	Citric acid content	44.7-54.7%
	Loss on drying	10% max.
	Cadmium	5 ppm max.
	Arsenic	3 ppm max.
	Lead	10 ppm max.
	Total plate count	3,000/g max.
	Salmonella	Negative
E.coli	Negative	

PACKAGING:	20 kg carton, 27 cartons per pallet
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APPLICATIONS:	Nutritional food supplements as a source for caffeine and citric acid. Also used as an ingredient in analgesics and central nervous system (CNS) stimulants.
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