



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

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SPECIFICATION SHEET

COBALT GLUCONATE

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
COBGIP	2998	527-09-3	September 10, 2007	SDM	No. 1	TJK

CHARACTERISTICS:	Rosy-pink or pinkish red crystalline or granular powder. Soluble in water; Freely soluble in boiling water.
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SPECIFICATIONS:	Identification	To pass test
	Assay (on as is basis)	97.0-103.0%
	Appearance (clarity) of 5% w/v solution in boiling water	Clear to nearly clear
	pH of the above 5% w/v solution, cooled to 25°C	5.0- 7.5
	Cobalt content (on as is basis)	12.70-13.51%
	Chloride	0.07% max
	Sulfate	0.05% max
	Mercury	1 ppm max
	Organic volatile impurities	Meets requirements
	Residual solvents	Meets requirements
	Loss on drying	5.0% max
	Particle size distribution: Passing thru U.S. 35 mesh	80% min
	Bulk density (loose)	300-800 kg/m ³
	Microbial limits	
	Total aerobic count	1000 cfu/g max
	Total fungus	100 cfu/g max
	Escherichia coli and Salmonella	Absent in 10 g
	Staphylococcus aureus	Absent in 10 g
	Pseudomonas aeruginosa	Absent in 10 g

PACKAGING:	Standard packaging is 25 kg fiber drums with inner HMHDPE liners.
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APPLICATIONS:	Dietary supplement, food additive; trace mineral.
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SHELF LIFE AND STORAGE INSTRUCTIONS:	Store in well closed container in dry location at ambient room temperature (~ 20°C). Material should be re-tested against certificate of analysis two years from date of manufacture.
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OTHER:	The manufacturing site is WHO cGMP and ISO 9000-2004, ISO 14000-2006 certified. The manufacturer has achieved a COS issued by the EDQM. It is certified by NQA to the requirement of HACCP under the
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Codex Alimentarius.