



# American International Chemical, Inc.

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## SPECIFICATION SHEET

### HYDROXOCOBALAMIN ACETATE

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
HCAAUP	1439	22465-48-1	December 5, 2007	RK	Original	RVK

<b>CHARACTERISTICS:</b>	Dark red crystalline powder. Hygroscopic and light sensitive. Hydroxy-acetate salt form of vitamin B12.
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<b>MOLECULAR FORMULA:</b>	$C_{64}H_{91}CoN_{13}O_{16}P$
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<b>MOLECULAR WEIGHT:</b>	1388.41
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<b>SPECIFICATIONS:</b>	Assay (dried basis)	96.0-102.0%
	Identification	Passes test
	Ratio absorption (A274/A351)	0.75-0.83
	Ratio absorption (A525/A351)	0.31-0.35
	Loss on drying	12.0% max
	Related substance	5.0% max

<b>PACKAGING:</b>	100 gm or 1 kg tin
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<b>APPLICATIONS:</b>	Nutritional food and vitamin supplements. Hematopoietic vitamin.
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<b>SHELF LIFE AND STORAGE INSTRUCTIONS:</b>	Shelf life is 2 years from date of manufacture. Light and temperature sensitive. Store in its original light resistant container after use in refrigerated environment. Ideal storage is 2-8°C (not frozen).
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