



# American International Chemical, Inc.

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## SPECIFICATION SHEET

### METHYLCOBALAMIN

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
MCBAUP	1439	13422-55-4	June 6, 2011	LR	No. 1	CDS

<b>CHARACTERISTICS:</b>	Dark red, crystalline powder. Hygroscopic. Sparingly soluble in water. Light sensitive methyl form of Vitamin B12.
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<b>SPECIFICATIONS:</b>	Assay (on anhydrous basis)	98.0% min
	Identification	
	UV	Spectrum comparable with reference spectrum
	Chemical	Positive
	Solution purity	Clear and red color
	Water	12.0% max
	Related substances (HPLC)	
	Largest area of peaks	0.50% max
	Total content	2.0% max
	Heavy metals	10 ppm max
	Lead	10 ppm max
	Arsenic	2 ppm max
	Mercury	0.05 ppm max
	Microbiology	<b>(Tested on skip-lot basis)</b>
	Total aerobic plate count	1,000 cfu/g max
	Yeast and mold	100 cfu/g max
	Coliforms	10 cfu/g max
Escherichia coli	Negative	
Salmonella	Negative	
Staphylococcus Aureus	Negative	

<b>STOCKING POINTS:</b>	Bridgeport, CT
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<b>PACKAGING:</b>	100g tin and 1kg tin
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<b>APPLICATIONS:</b>	Food fortification and nutrition supplement
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<b>OTHER:</b>	Light sensitive. Store in tight, light resistant containers at controlled room temperature. Product has a 3 year shelf life when stored in original, unopened container.
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