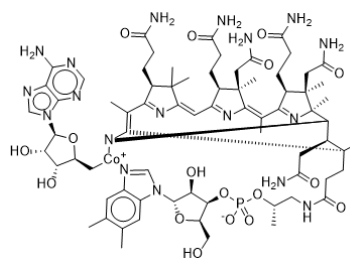


## Certificate Of Analysis

**Name:** 5'-Deoxyadenosylcobalamin  
**CAS NO.:** 13870-90-1  
**Cat NO.:** A807420  
**Batch No.:** C12082020  
**Mfg.Date:** 2020.08.12  
**Exp.Date:** 2022.08.11



Items	Specifications	Results
<b>Appearance</b>	Dark red crystals or noncrystalline powder	Conforms
<b>Identification 1 (UV)</b>	The absorption exhibits maxima at 264nm, 285nm, 305nm and 460nm	Conforms
<b>Identification 2 (HPLC)</b>	The principal peak obtained with the test solution for assay is consistent with the reference solution in retention time	Conforms
<b>Identification 3 (IR)</b>	The infrared absorption atlas of this production should be consistent with the standard	Conforms
<b>Hydroxocobalamin (UV)</b>	A460/A352 $\geq$ 0.90	0.94
<b>Related substances (HPLC)</b>	$\leq$ 1.0%	0.8%
<b>Loss on drying</b>	$\leq$ 12.0%	7.4%
<b>Residual solvent (GC)</b>	Acetone $\leq$ 0.5%	0.01%
	Ethanol $\leq$ 0.5%	<0.0002%
<b>Total plate count (Plate culture)</b>	$\leq$ 1000cfu/g	<10cfu/g
<b>Assay (on anhydrous basis) (HPLC %)</b>	98.0%~102%	98.61%
<b>Conclusion</b>	The product tested complies with the specifications.	

**Storage condition: Store in a tightly closed container in a cool and dry place.**

Checker:

*\* if you have any comments and suggestions, please contact us by [sales@amadischem.com](mailto:sales@amadischem.com)*