

## Certificate of Analysis

### Hydroxocobalamin Hcl (Hydroxycobalamin Chloride)

CAS No.	58288-50-9	Code	BIOJHDX001
Batch No	HC240703	Manufacture Date	Jul.04, 2024
Expiry Date	Jul.03, 2027	Quantity	100G

Testing Items	Specifications	Results
Appearance	Dark red crystals or crystalline powder	Complies
Identification A	UV: Absorption maxima at $274 \pm 1\text{nm}$ , $351 \pm 1\text{nm}$ and $525 \pm 2\text{nm}$	Complies
	A274 nm/A351 nm: 0.75~0.83 A525 nm/A351 nm: 0.31~0.35	0.80 0.33
Identification B	TLC: The principal spot in the chromatogram obtained with the test solution is similar in position, colour and size to the principal spot in the chromatogram obtained with the reference solution.	Complies
Identification C	Chlorides: It gives reaction (a) of chlorides	Complies
Loss on drying	8.0%~12.0%	9.2%
Assay	96.0%~102.0%	96.5%
Related substances	$\leq 5\%$	3%
Acetone	$\leq 5000\text{ppm}$	52ppm
The total aerobic microbial count	$\leq 1000\text{cfu/g}$	<10cfu/g
The total combined yeasts/mould count	$\leq 100\text{cfu/g}$	<10cfu/g
Conclusion	This product conforms to EP11 and In-house standard	

**\*Storage condition: Store between 2°C~8°C, Protect from moisture and light.**