



西安禾顺生物有限公司
Xi'an Heshun Biotechnology Co., Ltd.

CERIFICATE OF ANALYSIS

Product Name	Methylene Blue		
Chemical Formula	C16H20ClN3OS	Molecular Weight	337.87
CAS	7220-79-3	Batch Quantity	400kg
Batch No.	MLP-PPH-20231114	Manufacture Date	2024.01.14
Report Date	2024.01.17	Retest Date	2026.01.13

Testing Items	Specifications	Test Results
Appearance	Dark green powder,Aqueous solution is blue.	Conforms
Identification	The 1H-NMR spectrum corresponds to reference standard	Conforms
Methylene Blue Purity (HPLC)	NLT 99.0%	99.68%
Water Content	NMT 1.0%	0.14%
Melting Point	155℃-159℃	155℃-157℃
Residue on ignition	NMT 0.5%	0.08%
Loss on drying	NMT 1.0%	0.21%
As	0.0005	0.0004
Zn	0.02	0.02
Cu	0.03	0.03
Pb	0.0001	0.0001
Al	0.0003	0.0003
Residual Solvent, EtOH(GC)	NMT 0.3%	0.13%
Conclusion	Product Conforms to in-house Specifications	

Reported by: Zhang Meiyu

Checked by: Li Sufang

Approved by: Wang Jinhai

