



西安菲斯弗生物科技有限公司

Xi'an Faithful Biological Technology Co., Ltd.

Certificate of Analysis-Methylene Blue trihydrate

CAS: 7220-79-3

Batch Number: *FTF0250317* Batch Quantity: 100kg

Manufacture Date: Mar.15th,2025 Analysis Date: Mar.16th,2025 Certificate Date: Mar.17th,2025

Storage Store in cool & dry place. Store in well-closed containers.
Shelf life 3 years when properly stored.

Tests	Specifications	Results
Appearance	Bright dark green crystals or fine dark brown powder	Conform
Identification	IR /TLC (Maximum absorption wavelengths of 668 and 609nm)	Conform
Appearance of solution	The aqueous solution can fade when exposed to zinc powder and dilute sulfuric acid, but it can recover when exposed to air. If ammonia water is added, the recovery is faster	Conform
Melting Point	+190 °C ~ +200°C	+194.6°C
	Individual impurity ≤2.0%	0.31%
Related substances	No more than one purity ≤1.0%	Not detected
	Total impurities ≤3.0%	1.20%
Inorganic Phosphate	≤ 1.0%	Conform
Microbial testing	-	Conform

Assay

Methylene Blue >98%

99.30%

Conclusion: Conform with enterprise specification .

QC MANAGER: 刘娟 INSPECTOR: 黄子烨

