



### Certificate of Analysis

<b>Product name</b>	Methylene Blue	<b>Manufacture date</b>	May.10.2024
<b>Batch number</b>	SW240510	<b>Analysis date</b>	May.11.2024
<b>Batch quantity</b>	300kg	<b>Expiry date</b>	May.10.2026

ANALYSIS	SPECIFICATION	RESULT
Appearance	Dark green crystalline powder	Complies
Assay (as is Basis)	80~85%	80.98%
Assay on dry basis	98%~103%	98.22%
Loss on drying (at 110°C)	8~16%	10.18%
Residue on ignition	<1.2%	0.46%
Absorptivity 1%, 1cm, at Max.663.0nm	2200~2700	2258
Sulphated ash	<1.0%	0.61%
Zinc content	<100ppm	82ppm
Solubility	Clear blue solution	Complies
Residual solvent	Nil	Nil
Aluminum	<100ppm	20ppm
Cadmium	<1ppm	N.D
Chromium	<10ppm	2ppm
Copper	<100ppm	76ppm
Tin	<10ppm	2ppm
Iron	<100ppm	69ppm
Manganese	<10ppm	4ppm
Mercury	Nil	Nil
Molybdenum	<10ppm	2ppm
Nickel	<10ppm	3ppm
Lead	<10ppm	1ppm
Arsenic	<8ppm	2ppm
Chromatographic purity	Passes tests	Passes

<b>Packing description:</b>	Sealed export grade drum & double of sealed plastic bag
<b>Storage:</b>	Store in cool & dry place, keep away from strong light and heat
<b>Shelf life:</b>	2 years when properly stored

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