



Malachite Green Oxalate Salt

Used in wastewater treatment, pH indicator, biological stain

Because of high affinity to organic molecules, Malachite Green used as adsorbent in wastewater treatment. This dye used as pH indicator in culture media. Malachite Green as a biological stain used in various methods like spore staining. It is used as reference material in analytical chemistry. Malachite Green, as well as, is used as dye for leather, paper, and silk.

Cat. Number	ASC-1004
CAS Number	2437-29-8
Additional CAS	4569-64-2
Additional CAS	13425-25-7
MDL Number	MFCD00151209
Color Index	42000
Pubchem	310275977
Molecular Weight	927.02 gr/mol
Molecular Formula	$C_{52}H_{54}N_4O_{12}$
Storage Temperature / condition	20 °C / Keep away from strong reducing agents, strong oxidizing agents, strong bases, and strong acids
Form and Color	Crystalline powder / Metallic green to dark green
Solution Appearance (0.1% in water)	Dark blue to green, clear
Absorptivity (E1%, 1cm cell)	≥ 1650 (at λ max)
Dye Content	≥ 90 %
pH Transition Range	0.0 (Yellow) – 2 (Green) – 11.6 (Green) – 14 (colorless)
Wavelength of Maximum Absorption	610 - 620 nm
Loss on Drying	≤ 7 %