



UNISOURCE CHEMICALS PRIVATE LIMITED

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AN ISO 9001:2015 & GMP CERTIFIED COMPANY

Product Information

TECHNICAL DATA SHEET / Specification Sheet

Brilliant green

Synonym	: Astradiamant green GX; Emerald Green; Malachite Green G;Diamond Green
Molecular Formula	: C ₂₇ H ₃₄ N ₂ O ₄ S
Molecular Weight	: 482.63
CAS No.	: 633-03-4
Colour Index No.	: 42040
Shelf Life	: 5 years

Technical Specification

Appearance	: Golden or blue or green or blue-green glistening crystals or powder
Solubility	: 20 ppm in 50% ethanol yields clear solution
Visual pH Transition	: pH 0.00 (yellow) - pH 2.60 (green)
FTIR (KBr disc)	: Matches with the standard pattern
Absorption maxima	: 620 - 630 nm (20 ppm in 50% ethanol)
Molar absorptivity	: ≥ 2000 (20 ppm in 50% ethanol at 620 - 630 nm)
Loss on drying (at 105°C, 2 hrs)	: $\leq 5.00\%$