

CERTIFICATE OF ANALYSIS

Product:	Crystal Violet Certified C.I.42555
CAS# :	548-62-9
Molecular Formula:	C₂₅H₃₀ClN₃
Formula Weight:	407.98
Lot No.:	150410
Expiry Date:	02/ 2030
Storage:	Cool temperature, dry, tightly closed container

TESTS	SPECIFICATIONS	RESULTS
Description :	Dark Green crystals / powder	Dark green crystalline powder
Assay (on anhydrous basis) :	96.0% - 100.5%	99.73%
Assay (as is) :	> 88%	91.0%
Loss on drying (105 °C/1hr.) :	< 7.5%	3.12%
Sensitivity as indicator :	To pass test	Passes Test
Visual Transition Interval :	From pH 0.0 (yellow) To pH 2.0 (violet)	Passes Test
Spectroscopy :	Peak ~ 590 nm	Peak 591 nm, Ratio 1.16 @ 576/606 nm Density at peak 0.436 au
Alcohol-insoluble substances :	1.0% maximum	0.15%
Arsenic :	0.001% maximum	< 0.001%
Lead (Pb) :	0.003% maximum	< 0.001%
Zinc (Zn) :	0.050% maximum	< 0.002%
Absorbance characteristics :	To pass Test	Passes Test

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Quality Inspector