

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-15 19:18:27
Date of Next Testing: 2028-12-14 19:18:27
Product Name: **Crystal violet (C.I. 42555)**
CAS Number: 548-62-9
Specifications & Purity: indicator, ACS, Ph.Eur.
Lot #: L2512271
SKU #: **C432890**
Version: **2**
Analysis #: **613354**
Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Dye content(spectrophotometrically ; calc. on dried substance)	90-100 (%)	99.84300 %
Absorption maximum λ_{\max} (water)	589-594 (nm)	591.00000 nm
Spec. Absorptivity $A_{1\%}/1\text{cm}$ (589-594 nm ; 0.002g/; water)	2000-2450	2413.63636
Loss on drying (110°C, 4 h)	0-7.5 (%)	5.66539 %
Impurity content (Michler's ketone)	<0.10 (%)	0.09000 %
Absorbance characteristics (Ratio $E(\lambda_{\max}-15\text{nm})/E(\lambda_{\max}+15\text{nm})$)	0.98-1.2	1.20000
Suitability as indicator	conforms	Conforms
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager