

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-08-11 16:33:11
 Date of Next Testing: 2029-08-10 16:33:11
 Product Name: **Crystal violet (C.I. 42555)**
 CAS Number: 548-62-9
 Specifications & Purity: Ph.Eur., ACS, indicator
 Lot #: K2307347
 SKU #: **C432890**
 Version: **2**
 Analysis #: **751988**
 Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Dye content(spectrophotometrically ; calc. on dried substance)	90-100 (%)	96.04750 %
Absorbance characteristics(Ratio $E(\lambda_{\max}-15\text{nm})/E(\lambda_{\max}+15\text{nm})$)	0.98-1.2	1.00800
Absorption maximum $\lambda_{\max}$ (water)	589-594 (nm)	589.00000 nm
Spec. Absorptivity $A1\%/1\text{cm}$ (589-594 nm ; 0.002g/; water)	2000-2450	2000.20900
Impurity content(Michler`s ketone)	<0.10 (%)	0.04980 %
Loss on drying(110°C, 4 h)	0-7.5 (%)	3.48243 %
Suitability as indicator	conforms	Conforms
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager