

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-23 17:37:12
 Date of Next Testing: 2028-05-22 17:37:12
 Product Name: **Crystal violet (C.I. 42555)**
 CAS Number: 548-62-9
 Specifications & Purity: indicator, ACS, Ph.Eur.
 Lot #: E2522224
 SKU #: **C432890**
 Version: **2**
 Analysis #: **513470**
 Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Dye content(spectrophotometrically ; calc. on dried substance)	90-100 (%)	94.80700 %
Absorbance characteristics(Ratio $E(\lambda_{max}-15nm)/E(\lambda_{max}+15nm)$)	0.98-1.2	1.10707
Absorption maximum λ_{max} (water)	589-594 (nm)	590.00000 nm
Loss on drying(110°C, 4 h)	0-7.5 (%)	0.00000 %
Spec. Absorptivity $A_{1\%}/1cm$ (589-594 nm ; 0.002g/; water)	2000-2450	2435.00000
Impurity content(Michler`s ketone)	<0.10 (%)	0.08000 %
Suitability as indicator	conforms	Conforms
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
 QA & QC Manager