

Certificate of Analysis

Date of Testing: 2025-05-23 17:37:44

Date of Next Testing: 2028-05-22 17:37:44

Product Name: **Crystal violet (C.I. 42555)**

CAS Number: 548-62-9

Specifications & Purity: indicator, ACS, Ph.Eur.

Lot #: E2522225

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 $E(\lambda_{\max}-15\text{nm})/E(\lambda_{\max}+15\text{nm})$)	0.98-1.2	1.10707
Absorption maximum $\lambda_{\max}$ (water)	589-594 (nm)	590.00000 nm
Loss on drying(110°C, 4 h)	0-7.5 (%)	0.00000 %
Spec. Absorptivity $A_{1\%}/1\text{cm}$ (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