

# Certificate of Analysis

product name: Crystal violet  
product number: 101408  
CAS Number: 548-62-9  
batch: 1854642 5071  
Formula:  $C_{25}H_{30}ClN_3$

## batch values

Dye content (spectrophotometrically; calc. on dried substance)	$\geq 90.0$	%
Identity (UV/VIS-Spectrum)	passes test	
Absorbance characteristics (Ratio, $E(\lambda_{max} - 15 \text{ nm})/E(\lambda_{max} + 15 \text{ nm})$ )	0.98 - 1.20	
Absorption maximum $\lambda_{max}$ . (water)	589 - 594	nm
Spec. Absorptivity A 1%/1cm ( $\lambda_{max}$ : 0.002 g/l; water)	2000 - 2450	
TLC-Test	passes test	
Michler's ketone	$< 0.10 \%$	%
Loss on drying (110 °C, 4 h)	$\leq 7.5$	%
Suitability as indicator (ACS)	passes test	
Suitability as indicator (Reag. Ph Eur)	passes test	

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