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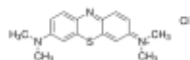
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## Certificate of Analysis

Product Name:

Methylene Blue solution - 0.05 wt. % in H<sub>2</sub>O

**Product Number:** 319112  
**Batch Number:** MKBQ6919V  
**Brand:** SIAL  
**MDL Number:** MFCD00012111  
**Formula:** C<sub>16</sub>H<sub>18</sub>ClN<sub>3</sub>S  
**Formula Weight:** 319.85 g/mol  
**Quality Release Date:** 05 DEC 2013



Test	Specification	Result
Appearance (Color)	Dark Blue	Dark blue
Appearance (Form)	Liquid	Liquid
Wavelength	662 - 668 nm	664 nm
Extinction Coefficient	≥ 70000	76370
Wavelength	289 - 295 nm	292 nm
Extinction Coefficient	≥ 39000	45058
Wavelength	243 - 249 nm	246 nm
Extinction Coefficient	≥ 17000	25996

C = 0.0025g/l in H<sub>2</sub>O

Jamie Gleason, Manager  
Quality Control  
Milwaukee, Wisconsin US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.