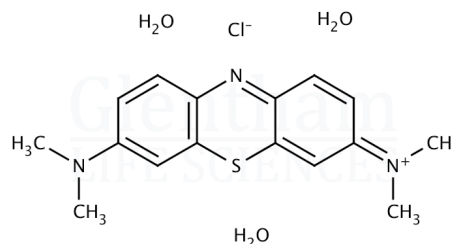


## Certificate of Analysis

|                |                                                           |
|----------------|-----------------------------------------------------------|
| Product Name   | Methylene Blue trihydrate (C.I. 52015);<br>Ph. Eur. grade |
| Glentham Code  | GE7263                                                    |
| CAS Number     | 7220-79-3                                                 |
| EINECS         | 200-515-2                                                 |
| Colour Index   | 52015                                                     |
| MDL Number     | MFCD00012111                                              |
| Additional CAS | 61-73-4 (anhydrous)                                       |
| Additional CAS | 122965-43-9 ( $\cdot xH_2O$ )                             |
| Batch Number   | 502XVW                                                    |

|                   |                                  |
|-------------------|----------------------------------|
| Molecular Weight  | 373.90                           |
| Molecular Formula | $C_{16}H_{18}ClN_3S \cdot 3H_2O$ |
| Storage Temp.     | +20°C                            |



| Property                                             | Specification                 | Batch 502XVW                  |
|------------------------------------------------------|-------------------------------|-------------------------------|
| Physical Description                                 | Dark green crystalline powder | Dark green crystalline powder |
| Identification (UV-VIS)                              | To pass test                  | Conforms                      |
| Wavelength of Maximum Absorption ( $\lambda_{max}$ ) | 660 - 665 nm (50% in ethanol) | 663nm                         |
| Absorptivity (1%/1cm)                                | 2250 - 2750 (50% in ethanol)  | 2513                          |
| Loss on Drying                                       | 8.0 - 16.0 % (110°C)          | 8.2%                          |
| Pharmacopoeia Specification(s)                       | EP                            | Conforms                      |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2025-02-20 |
| Re-Test Date          | 2031-01-29 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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