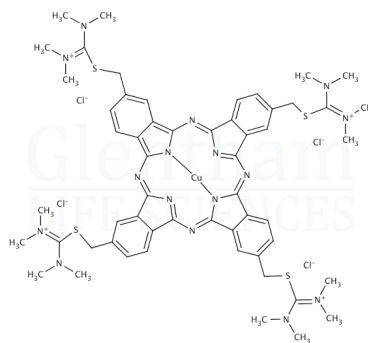


## Certificate of Analysis

Product Name Alcian Blue 8 GX (C.I. 74240)  
Glentham Code GT8542  
CAS Number 75881-23-1  
EINECS 251-705-7  
Colour Index 74240  
MDL Number MFCD00010720  
Additional CAS 33864-99-2  
Batch Number 179VRR

Molecular Weight 1298.88  
Molecular Formula  $C_{56}H_{68}Cl_4CuN_{16}S_4$   
Storage Temp. +20°C



| Property                                             | Specification                            | Batch 179VRR              |
|------------------------------------------------------|------------------------------------------|---------------------------|
| Physical Description                                 | Dark blue powder                         | Dark blue powder          |
| Solubility                                           | 0.8% in water: Clear, dark blue solution | Clear, dark blue solution |
| Wavelength of Maximum Absorption ( $\lambda_{max}$ ) | 614 - 625 nm (water)                     | 624 nm                    |
| Loss on Drying                                       | $\leq 20\%$                              | 2.5%                      |
| Dye Content                                          | $\geq 55\%$ (UV)                         | ~81%                      |

Specification Version v1.0  
Manufacture Date 2022-06-01  
Re-Test Date 2031-05-25

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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