



## Certificate of Analysis

### Alcian Blue 8GX Certified

**Catalog Number:** AB1007  
**Lot Number:** 0426702  
**CAS Number:** 33864-99-2  
**Molecular Formula:**  $C_{56}H_{66}Cl_4CuN_{16}S_4$   
**Molecular Weight:** 1298.88  
**Storage:** 15°C – 30°C, Keep away from direct sunlight and oxidizing agents.  
**Date of Manufacture:** June 1, 2016  
**Retest Date:** June 30, 2026  
**Source:** Chemical synthesis

**Appearance:** Dark blue powder  
**Identification:** Passes test  
**Solubility:** 75mg/250mL de-ionized H<sub>2</sub>O yields a clear bright solution.  
**Dye Content:** 75%  
**Spectroscopy:** Peak = 623nm  
Ratio = 1.03 (608/638nm)  
Density @ peak = 1.10au

**Staining Performance:** Satisfactory in:  
-Alkali Labile Side Chain T – Insoluble in alkali/re-dissolved in acid.  
-Mowry's method for staining acidic mucopolysubstances  
-Scott's method for staining acidic mucopolysubstances

This batch is certified as meeting the standards of the Biological Stain Commission.

Approved by:

Date: April 26, 2017

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