

# CERTIFICATE OF ANALYSIS

Product Description X-GLUC, MONOCYCLOHEXYL AMMONIUM SALT  
5-BROMO-4-CHLORO-3-INDOLYL- $\beta$ -D-GLUCURONIC ACID,  
MONOCYCLOHEXYL AMMONIUM SALT  
Product Number X877  
Lot Number 15K0877039  
Storage Temperature -20-0°C  
Molecular Weight 521.8  
Formula  $C_{20}H_{26}BrClN_2O_7$   
CAS Number 114162-64-0

## Physiochemical Specifications:


| TEST                                     | SPECIFICATION                                | RESULTS                   |
|------------------------------------------|----------------------------------------------|---------------------------|
| Solubility                               | Soluble in DMSO @ 10 mg/mL                   | Passes                    |
| Physical Appearance<br>Color*<br>Texture | PM-1 to PM-4<br>Fine Powder, may form clumps | PM-4 White<br>Fine Powder |
| Solution Appearance<br>Clarity<br>Color  | Clear<br>Colorless                           | Clear<br>Colorless        |
| Average Time to Dissolve                 | For Information Only<br>(Approx. 1 min)      | 1 min                     |
| Insolubles                               | None                                         | Passes                    |
| FTIR                                     | Conforms to Structure                        | Passes                    |
| Purity                                   | Minimum 98.0%                                | 100%                      |
| Water Content (by Karl Fischer)          | For Information Only                         | 1.4%                      |

\* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

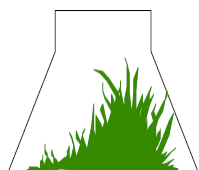
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**Phyto Technology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. Phyto Technology Laboratories® shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.**

Recommended Shelf Life Date: November 2020



Gary Seckinger, Ph.D.



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