

# CERTIFICATE OF ANALYSIS

Product Description X-GAL  
Product Number X874  
Lot Number HHT0874016  
Storage Temperature -20°C  
Molecular Weight 408.63  
Formula C<sub>14</sub>H<sub>15</sub>BrClNO<sub>6</sub>  
CAS Number 7240-90-6

## **Physiochemical Specifications:**

| TEST                | SPECIFICATION                | RESULTS     |
|---------------------|------------------------------|-------------|
| Solubility          | Soluble in DMSO @ 10 mg/mL   | Passes      |
| Physical Appearance |                              |             |
| Color*              | PM-1 to PM-4                 | PM-1 White  |
| Texture             | Fine Powder, may form clumps | Fine Powder |
| Solution Appearance |                              |             |
| Clarity             | Clear                        | Clear       |
| Color               | Colorless                    | Colorless   |
| Insolubles          | None                         | Passes      |
| FTIR                | Conforms to Structure        | Passes      |
| Purity              | Minimum 99.0%                | 99.40%      |


\*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.

**PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.**

Date of Release: 06-March-2025

Recommended Shelf-Life Date: March 2028

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