

# CERTIFICATE OF ANALYSIS

Product Description GENTAMICIN SULFATE  
Product Number G570  
Lot Number HHT0570004  
Storage Temperature 2-8°C  
Molecular Weight 575.67  
Formula  $C_{21}H_{43}N_5O_7 \cdot H_2SO_4$   
CAS Number 1405-41-0

## Physiochemical Specifications:

| TEST                | SPECIFICATION                | RESULTS       |
|---------------------|------------------------------|---------------|
| Solubility          | Soluble in Water @ 50 mg/mL  | Passes        |
| pH                  | Under Development            | 5.1           |
| Physical Appearance |                              |               |
| Color*              | 2143-70 to 2151-70           | 2143-70 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        |
| Potency             | Minimum 590 µg/mg            | 630 µg/mg     |

\*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 2030

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