



## Product Specification

|                      |                                                         |
|----------------------|---------------------------------------------------------|
| <b>Product Name:</b> | Magenta- $\beta$ -D-glucuronide cyclohexylammonium salt |
| <b>Cat #:</b>        | B-400                                                   |
| <b>CAS #:</b>        | 144110-43-0                                             |
| <b>Storage:</b>      | Store desiccated at -20°C. Protect from light.          |

| Test                                                                                                    | Specifications                                              |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Color                                                                                                   | white to off-white                                          |
| Form                                                                                                    | crystalline powder                                          |
| Color of Solution<br>(1% in DMF)                                                                        | colorless                                                   |
| Turbidity<br>(1% in DMF)                                                                                | $\leq 4.0$ NTU                                              |
| Water Content<br>(K. Fischer)                                                                           | $\leq 1.0\%$                                                |
| Purity (TLC)<br>(33 mg/mL in acetic acid; butanol/acetic acid/water 6:3:2;<br>UV 254 nm, sulfuric acid) | $\geq 99.0$ area-%                                          |
| $^1\text{H-NMR}$ Spectrum                                                                               | corresponds to assigned structure                           |
| Specific Optical Rotation $[\alpha]_D$<br>(c = 1 in DMF/water 1:1, 20°C)                                | -70.0 to -66.0                                              |
| Application Test<br>(enzymatic test with beta-glucuronidase)                                            | an intense magenta color ( $\lambda_{\text{max}}$ : 565 nm) |
| FT-IR Spectrum                                                                                          | corresponds to reference spectrum                           |
| $^{13}\text{C-NMR}$ Spectrum                                                                            | corresponds to assigned structure                           |

GOLD BIOTECHNOLOGY, INC. provides this Product Specification in good faith. Specifications are subject to change.

**Gold Biotechnology, Inc.**

1328 Ashby Rd.

St. Louis, MO 63132

P: (314)890-8778

F: (314)890-0503

E: [contactgoldbio86@goldbio.com](mailto:contactgoldbio86@goldbio.com)