

Certificate of Analysis

Product Name: 4-Methylumbelliferyl- α -L-fucopyranoside
Cat #: M-580
CAS #: 54322-38-2
Lot #: Lot Specific
Retest Date: Lot Specific
Storage:[†] Store -20°C. Protect from light.

| Test | Specs | Results |
|---|-----------------------------------|-------------|
| Color | hite to off-white | white |
| Form | powder | powder |
| Color of Solution (2% in DMF) | colorless to almost colorless | colorless |
| Turbidity (1% in DMF) | max. 4.0 NTU | 0.2 NTU |
| Water Content (K. Fischer) | max. 1.0% | 0.1% |
| Melting Point | 222 to 228°C | 224°C |
| TLC (50 mg in 3 ml DMF; butanol/acetic acid/water 3:1:1; UV 254 nm) | corresponds to reference material | corresponds |
| Free 4-MU (50 mg in 3 ml DMF; butanol/acetic acid/water 3:1:1; UV366 nm after treating with ammonia vapor) | max. 50 mg/kg | <25 mg/kg |
| Specific Optical Rotation [alpha]D (c = 0.3 in pyridine, 20°C) | -139.0 to -133.0 | -133.9 |
| FT-IR Spectrum | corresponds to reference spectrum | corresponds |

* Gold Biotechnology, Inc. provides this Certificate of Analysis in good faith and to the best of its knowledge. It should not be substituted for the user's own raw material quality control. This material is for laboratory use only.

[†] Storage at listed temperature applies to retest date (if shown) or two years from purchase date. Check label for long term storage conditions, which may extend the product beyond the retest date and/or greater than two years from purchase.

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