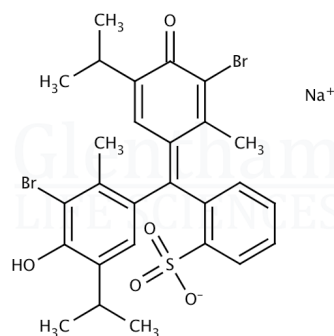


Certificate of Analysis

Product Name Bromothymol Blue sodium salt
Glentham Code GT8636
CAS Number 34722-90-2
EINECS 252-169-7
MDL Number MFCD00077263
PubChem SID 310269017
Batch Number 974TBX

Molecular Weight 646.38
Molecular Formula $C_{27}H_{27}Br_2NaO_5S$
Storage Temp. +20°C



| Property | Specification | Batch 974TBX |
|--|------------------------------------|----------------|
| Physical Description | Red to dark orange or green powder | Green powder |
| pH Transition Range | 5.8 - 7.6 (yellow-blue) | Conforms |
| Solubility | 0.1% in water: Clear solution | Clear solution |
| Wavelength of Maximum Absorption (λ_{max}) | 615 - 618 nm | 615.6 nm |
| Absorptivity (1%/1cm) | ≥ 450 (at λ_{max}) | 577 |
| Loss on Drying | $\leq 5.0\%$ | 2.78% |
| Dye Content | $\geq 90.0\%$ | 96.1% |

Specification Version v1.0
Manufacture Date 2021-12-01
Re-Test Date 2032-05-26

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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