



# CERTIFICATE OF ANALYSIS

*The Power to Question*

Catalog Number: sc-206018A  
Lot Number: SAMPLE  
Product Name: Bromothymol blue sodium salt  
CAS Number: 34722-90-2  
Molecular Formula:  $C_{27}H_{27}Br_2O_5S \cdot Na$   
Molecular Weight: 646.36

| Test                    | Result  |
|-------------------------|---|
| Appearance              | Green powder                                    |
| Solubility              | Clear, green color solution (0.1% dist. Water)  |
| Visual Transition Range | From pH 5.8 (Yellow) to pH 7.6 (Blue)           |
| Dye Content             | 95.3%   |
| E1%                     | 572 (In 0.1N NaOH, at $\lambda_{max}$ 615.8 nm) |
| Loss on Drying          | 2.71% at 110 °C (1hr)                           |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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