

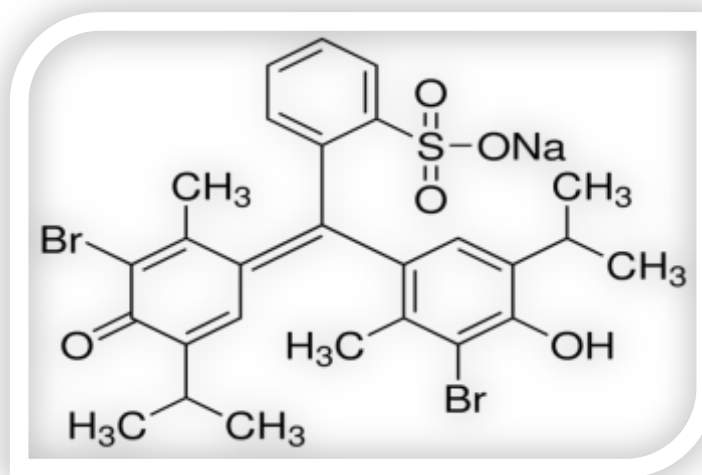
# GSP CHEMICAL INDUSTRIES

## BROMOTHYMOL BLUE SODIUM SALT (ACS)

C.A.S. NO.	34722-90-2
M.F.	C <sub>27</sub> H <sub>27</sub> Br <sub>2</sub> O <sub>5</sub> Na
M. W.	646.38gm/mole

### SPECIFICATIONS:

Dye content	> 90%
Solubility 0.1% (Water)	Almost clear solution
Transition range	pH 5.8 – 7.6 Yellow – Blue
Absorption maximum (pH 5.8) $\lambda_{1max}$	430 – 435 nm
Absorption maximum (pH 7.6) $\lambda_{2max}$	615 – 618 nm
Absorptivity (A1%/1cm at pH 5.8 at $\lambda_{1max}$ )	250 – 280
Absorptivity (A1%/1cm at pH 7.6 at $\lambda_{2max}$ )	400 – 500
Loss on drying (110°C)	< 5 %



GSP Chemical Industries warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [gspchem.com](http://gspchem.com). For further inquiries, please contact [gspchem@gmail.com](mailto:gspchem@gmail.com). Purchaser must determine the suitability of the product for its particular use.