

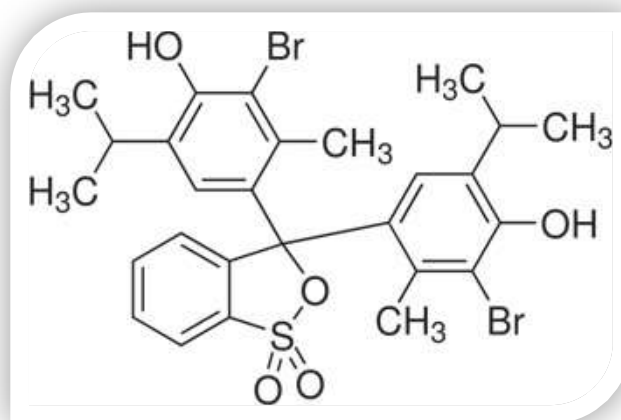
GSP CHEMICAL INDUSTRIES

BROMOTHYMOL BLUE (ACS)

C.A.S. NO.	76-59-5
M.F.	C ₂₇ H ₂₈ Br ₂ O ₅ S
M. W.	624.40gm/mole

SPECIFICATIONS:

Dye content	> 95%
Solubility 0.1%(95% Ethanol)	Clear solution
Transition range	pH 5.8 – 7.6 Yellow – Blue
Absorption maximum (pH 5.8) λ_{1max}	430 – 435 nm
Absorption maximum (pH 7.6) λ_{2max}	615 – 618 nm
Absorptivity (A1%/1cm at pH 5.8 at λ_{1max})	260 – 300
Absorptivity (A1%/1cm at pH 7.6 at λ_{2max})	470 – 520
Loss on drying (110°C)	< 3 %



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. For further inquiries, please contact gspchem@gmail.com. Purchaser must determine the suitability of the product for its particular use.