

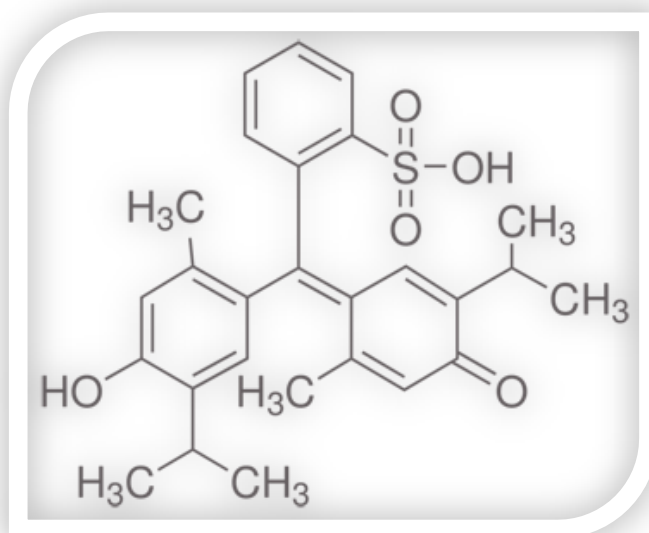
# GSP CHEMICAL INDUSTRIES

## THYMOL BLUE (ACS)

C.A.S. NO.	76-61-9
M.F.	C <sub>27</sub> H <sub>30</sub> O <sub>5</sub> S
M.W.	466.60 gm/mole

### SPECIFICATIONS:

Dye Content	> 95%
Solubility 0.1 % (95% EtOH)	Clear solution
Transition Range	pH 7.8 – 9.5 Yellow - Blue
Absorption maximum (pH 7.8) $\lambda_{1max}$	431-436nm
Absorption maximum (pH 9.5) $\lambda_{2max}$	594-598nm
Absorptivity (A1%/1cm at pH 7.8, at $\lambda_{1max}$ )	200-300
Absorptivity (A1%/1cm at pH 9.5, at $\lambda_{2max}$ )	450-550
Loss on drying (110°C)	< 3%



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