

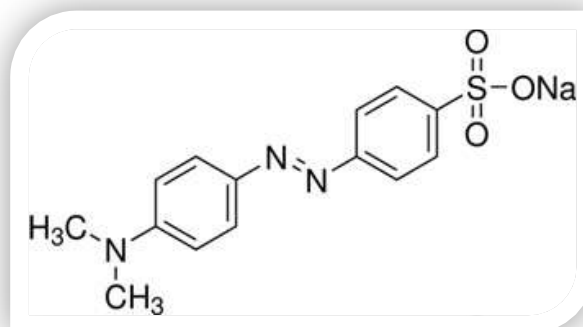
# GSP CHEMICAL INDUSTRIES

## METHYL ORANGE (ACS)

C.A.S. NO.	547-58-0
C.I. NO.	13025
M.F.	C <sub>14</sub> H <sub>14</sub> N <sub>3</sub> SO <sub>3</sub> Na
M.W.	327.34gm/mole

### SPECIFICATIONS:

Dye content	> 95%
Solubility 0.1 % (Water )	Clear solution
Transition range	pH 3.1- 4.4 Pink-Orange-Yellow
Abxorption maximum (pH 3.1) $\lambda_1$ max	501-504nm
Abxorption maximum (pH 4.4) $\lambda_2$ max	467-471nm
Absorptivity maximum (A1%/1cm at pH 3.1, at $\lambda_1$ max)	1050-1150
Absorptivity maximum (A1%/1cm at pH 4.4, at $\lambda_2$ max)	750-850
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](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.