

Technical data sheet



Product name: **Methyl orange**

Grade: **ACS**

Chemical formula: $C_{14}H_{14}N_3NaO_3S$

Molar mass: 327.34 g/mol

Synonyms: 4-Dimethylaminoazobenzene-4'-sulfonic acid sodium salt, Gold orange, Orange III

General information	
Cas- No.	547-58-0
Ec-No.	208-925-3
Appearance	Orange powder
Melting point	>300 °C
Bulk density	200 - 400 kg/m ³
pH value	6.5 (5 g/l, H ₂ O, 20 °C)
Spec.density	N/A
Vapour pressure	N/A
Solub. In H ₂ O	5 g/l (20°C)
Storage temp	+2°C to +30°C
R:	25
S:	37-45

Specification	
Identity (UV/VIS)	conforms
Clarity of solution (1 g/l; water)	conforms
Transition range	pH 3.1 - pH 4.4 pink - orange yellow
Visual transition interval	pH 3.0 - pH 4.6 greenish yellow - blue violet
Loss on drying (110°C)	≤ 5 %
Sensitivity test	conforms

Symbol:



packaging:

Available Pack	10 gr	25 gr	50 gr	100 gr	250 gr
P.E	-	-	-	-	-
GLASS	*	*	-	-	-



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