



# UNISOURCE INDIA

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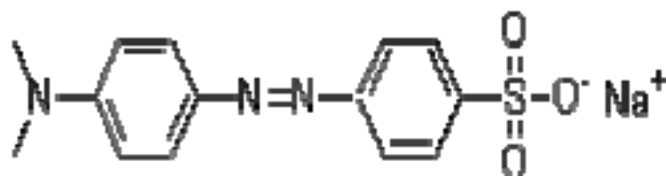
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## SPECIFICATION

<b>PRODUCT NAME</b>	:	<b>METHYL ORANGE</b>
<b>Synonyms</b>	:	<b>Acid Orange 52; Orange III; 4-(Dimethylamino) azo-benzenesulfonic Acid, Sodium Salt</b>
<b>C.I. NO.</b>	:	13025
<b>C.A.S. NO.</b>	:	547-58-0
<b>Molecular Formula</b>	:	C <sub>14</sub> H <sub>14</sub> N <sub>3</sub> NaO <sub>3</sub> S
<b>Formula Weight</b>	:	327.34
<b>Appearance</b>	:	<b>Orange Powder</b>

**Structure :**



### TESTS

Solubility 0.05% (Dist. Water)

Absorptivity 1%/1cm,  
(pH 3.1) at max. 505.0 nm  
(pH 4.4) at max. 467.0 nm

Loss on drying at 110°C (1hr)

### LIMITS

Soluble in 500 parts water;  
More soluble in hot water

1050-1150  
750-850

< 3%

REVISED: 1-1-2012