

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Methyl red,acid-base indicator

ITEM NUMBER: M101209  
BRAND: Aladdin  
CAS NUMBER: 493-52-7  
MDL NUMBER: MFCD00002425  
FORMULA: C<sub>15</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>  
MOLECULAR WEIGHT: 269.30

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Absorbance (5 mg/L, pH 6.6, 428.0 to 432.0 nm)			≥0.35
Melting point	179 ° C	182 ° C	182 ° C
Solubility in hot EtOH(95vol%)	almost transparency		
Transition interval(pH)	(purplish red)4.2 to 6.2(yellow)		