

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Methyl orange,ACS reagent,85 %

ITEM NUMBER: M101228  
BRAND: Aladdin  
CAS NUMBER: 547-58-0  
MDL NUMBER: MFCD00007502  
FORMULA: C14H14N3NaO3S  
MOLECULAR WEIGHT: 327.33

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	orange powder		
Carbon	43.7 %	59.1 %	59.1 %
Clarity of solution	Clarify		
Dye content	0 %	0 %	>=85 %
Infrared spectrum	Conforms to Structure		
nitrogen	10.9 %	14.8 %	14.8 %
Visual Interval	pH 3.0 = Pink or Red		
Visual Interval	pH 3.2 = Pinkish-Orange		
Visual Interval	pH 4.4 = Yellow		