

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Methyl red (C.I. 13020)**
Specifications & Purity: indicator ACS, Reag. Ph Eur
SKU # **M432753**

Parameter	Limit Values
Appearance(M432753)	Red to red-violet powder, eventually with granular parts
Clarity of solution (1 g/l; ethanol)	passes test
Melting point (capillary method, temperatur measerment in the heating block)	179-182 (°C)
Transition range(pH 4.4 (Red)-pH 6.0 (yellow))	pass
Absorption maximum(buffer pH 4.5)	523-526 (nm)
Absorption maximum(buffer pH 6.2)	427-437 (nm)
Spec. Absorptivity A 1%/1cm ($\lambda_{\max}$:0.005 g/l; buffer pH 4.5; calculated on anhydrous substance)	1350-1500
Spec. Absorptivity A 1%/1cm ($\lambda_{\max}$: 0.005 g/l; buffer pH 6 2; calculated on anhydrous substance)	700-800
Transition range (according to ACS)	passes test
Loss on drying(110°C)	0-5 (%)