

CERTIFICATE OF ANALYSIS

Product Name:	Phenol red	Batch No.	JL2350112
Cas	143-74-8	MF Date	Mar 11,2023
Packing	25kg/drum	Analysis Date	Mar 12,2023
Quantity	1000kg	According to	HG/T 4100-2009
ITEM 分析项目	STANDARD 技术指标	RESULT 实测结果	
PH transition interval	1.2 (Orange) - -3.0 (Yellow) 6.5 (Brown) - -8.0 (Purple)	1.2 (Orange) - -3.0 (Yellow) 6.5 (Brown) - -8.0 (Purple)	
Maximum absorption wavelength (nm) λ_1 (PH1.2) λ_2 (PH 3.0) λ_3 (PH 6.5) λ_4 (PH 8.0)	503---506 430---435 430---435 557---560	503 431 432 557	
Mass absorption factor (L / cm • g) α_1 (λ_1 ,PH1.2,Dry sample) α_2 (λ_2 ,PH 3.0,Dry sample) α_3 (λ_3 ,PH 6.5,Dry sample) α_4 (λ_4 ,PH 8.0,Dry sample)	110--123 60---68 62---72 115-130	112 63 65 115	
5 Alkaline dissolution test	Complies	Complies	
Loss on drying	≤ 1.0	0.8	
Burburn residue (in sulfate)	≤ 0.2	0.2	
Conclusion	Complies.		

Analyst: *Feng ling*

Quality Assurance Officer: *David Zhang*