

CERTIFICATE OF ANALYSIS

Product Name: Bromocresol green Molecular formula: C₂₁H₁₄Br₄O₅S

Batch No.:20231020

Analysis Date:2023.10.20

Specification: IND

Items	Specification	Results
PH(transition interval)	3.8(yellow green)-5.4(blue)	pass
Maximum absorption wavelength (nm)		441.0
λ ₁ (PH 3.8)	440~445	616.0
λ ₂ (PH 5.4)	615~618	
Mass absorption coefficient, L/cm · g	24~28	24.0
α ₁ (λ ₁ PH 3.8,dry sample)	53~58	54.5
α ₂ (λ ₂ PH 5.4,dry sample)		
Ethanol dissolution test	pass	pass
Burning residue (calculated as sulfate)	≤0.25	0.25
Loss on drying	≤3.0	2.8

Analyst: Wen Qian**Quality Assurance Officer: Zhan Peng**