

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2023-07-13 14:29:30
Date of Next Testing:	2027-07-12 14:29:30
Product Name:	Fast Black K Salt hemi(zinc chloride) salt
CAS Number:	64071-86-9
Specifications & Purity:	
Lot #:	G2307285
SKU #	F113033
Analysis:	236526

Parameter	Limit Values	Result
Absorbance(E1%1cm)(H ₂ O, 450.0 to 460.0 nm)	≥50	156.83
Absorbance(E1%1cm)(H ₂ O, 330.0 to 335.0 nm)	≥110	308.23
λ max 2 (H ₂ O)	450-460 (nm)	460.00 nm
λ max 1 (H ₂ O)	330-335 (nm)	335.00 nm
Appearance (F113033)	Orange to Red to Brown Powder, Crystal, Crystalline Powder and/or Chunk	Orange to Red to Brown Powder, Crystal, Crystalline Powder and/or Chunk
ICP: Confirms Zinc Component	Confirmed	Confirmed
Solubility in H ₂ O, Dark Red or Red-Brown Solution, 10mg/ml	pass	Pass
Titration by AgNO ₃	Confirmed	Confirmed
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager