

Certificate of Analysis

Date of Testing: 2023-07-13 14:29:41
 Date of Next Testing: 2027-07-12 14:29:41
 Product Name: **Fast Black K Salt hemi(zinc chloride) salt**
 CAS Number: 64071-86-9
 Specifications & Purity:
 Lot #: G2307232
 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 |



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QA & QC Manager