



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-215946
Lot Number: SAMPLE
Product Name: Tetrabromophenol blue sodium salt
CAS Number: 108321-10-4
Molecular Formula: $C_{19}H_5Br_8NaO_5S$
Molecular Weight: 1007.53

| Test | Specification | Result |
|------------------------------------|--|----------------------------|
| Appearance (Color) | Brown to Dark Brown | Dark Brown |
| Appearance (Form) | Powder, Crystals or Crystalline Powder | Powder |
| Identification (Infrared Spectrum) | Conforms to Structure | Complies |
| Purity (Titration) | 84.0 - 116.0 % | 90.5 % |
| TLC | Conforms with Past Lots | Complies |
| Solution (Color) | Dark Blue or Dark Green | Very Dark Green |
| Extinction Coefficient | ≥ 55000 | 58981 |
| Extinction Coefficient (1) | ≥ 13000 | 13343 |
| Extinction Coefficient (2) | ≥ 59000 | 59286 |
| Wavelength | 607 - 613 nm 298 - 304 nm 222 - 228 nm | 612 nm 301 nm 224 nm |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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