

## Certificate of Analysis

Date of Testing: 2023-08-24 13:58:11  
Date of Next Testing: 2025-08-13 13:58:11  
Product Name: **3',3'',5',5''-Tetrabromophenolphthaleinethyl ester**  
CAS Number: 1176-74-5  
Specifications & Purity: 80%,for microscopy  
Lot #: H2318742  
SKU #: **T106849**  
**Analysis:** **260078**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Assay(UV spectrophotometry)	80-100(%)	98.43 %
Appearance (T106849)	Yellow to Brown to Red Powder	Yellow to Brown to Red Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in Tetrahydrofuran	Green to brown,0.01g/10ml	Green to brown,0.01g/10ml
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager