

## Certificate of Analysis

Date of Testing: 2022-11-28 19:12:32  
Date of Next Testing: 2024-11-17 19:12:32  
Product Name: **3',3'',5',5''-Tetrabromophenolphthaleinethyl ester**  
CAS Number: 1176-74-5  
Specifications & Purity: 80%,for microscopy  
Lot #: K2222800  
SKU #: **T106849**  
**Analysis:** **127737**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Assay(UV spectrophotometry)	80-100(%)	99.75 %
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