

## Certificate of Analysis

Date of Testing: 2022-09-28 10:19:49  
Date of Next Testing: 2024-09-17 10:19:49  
Product Name: **o-Phthalaldehyde**  
CAS Number: 643-79-8  
Specifications & Purity: >99.0%(HPLC),for fluorescence labeling  
Lot #: I2223212  
SKU #: **P108633**  
**Analysis:** **131660**  
Storage Temperature: Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
Melting point	55-58 (°C)	57.29000 °C
Phthalic Acid	0-0.5 (%)	0.23 %
Purity(HPLC)	99-100 (%)	99.79200 %
Appearance (P108633)	Light Yellow Solid	Light Yellow Solid
HPLC derivatization test	Pass	Pass
Solubility in EtOH , Light Yellow and Yellow-Green Clear,50 mg/ml	pass	Pass
Test for fluorogenic detection of amino acids( $\lambda_{ex}$ 340 nm;	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager