

## Certificate of Analysis

Date of Testing: 2023-03-09 20:40:58  
Date of Next Testing: 2025-03-08 20:40:58  
Product Name: **2-Dodecen-1-ylsuccinic Anhydride (cis- and trans- mixture)**  
CAS Number: 19780-11-1  
Specifications & Purity:  $\geq 95.0\%$ (T)  
Lot #: C2307219  
SKU #: **D134344**  
**Analysis:** **168759**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Morpholine Titration by HCl)	94.5-105.5 (%)	105.46 %
Appearance (D134344)	white to yellow solid or liquid	white to yellow solid or liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager