

## Certificate of Analysis

Date of Testing: 2023-03-09 17:46:12  
Date of Next Testing: 2027-03-08 17:46:12  
Product Name: **Denatonium Benzoate**  
CAS Number: 3734-33-6  
Specifications & Purity: 98%  
Lot #: F1525051  
SKU #: **D124654**  
**Analysis: 196678**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.12800 %
Purity(Titration by HClO <sub>4</sub> )	97.5-102.5 (%)	97.90 %
Melting point	160-164 (°C)	161.70000 °C
Appearance (D124654)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in MeOH , Colorless Clear to Very Slightly Hazy(50 mg/ml)	pass	Pass



John Su  
QA & QC Manager