

## Certificate of Analysis

Date of Testing: 2023-12-18 10:57:48  
Date of Next Testing: 2025-12-17 10:57:48  
Product Name: **3'-Bromo-5'-chloro-2'-hydroxyacetophenone**  
CAS Number: 59443-15-1  
Specifications & Purity:  $\geq 97.0\%$ (GC)  
Lot #: H1602025  
SKU #: **B136413**  
Analysis: **302620**

Parameter	Limit Values	Result
Melting point	98-102 (°C)	101.94000 °C
Purity(GC)	97-100 (%)	99.34 %
Purity(Neutralization titration)	97-103 (%)	99.80 %
Appearance (B136413)	White to Tan Powder or Crystals	White to Tan Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot MeOH , very faint turbidity	pass	Pass



John Su  
QA & QC Manager