

## Certificate of Analysis

Date of Testing: 2023-03-16 08:50:55  
Date of Next Testing: 2025-03-05 08:50:55  
Product Name: **Capsaicin**  
CAS Number: 404-86-4  
Specifications & Purity: analytical standard ,  $\geq 95\%$ (HPLC), natural  
Lot #: F2121091  
SKU #: **C107691**  
**Analysis:** **199865**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	97.51700 %
Carbon by Elemental Analysis	69.4-72.2 (%)	71.63 %
Nitrogen by Elemental Analysis	4.3-4.9 (%)	4.60 %
Appearance (C107691)	White to Off-White Powder	White to Off-White Powder
<sup>13</sup> C NMR Spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in CH <sub>2</sub> Cl <sub>2</sub> , clear colorless to light yellow solution, 50mg/ml	pass	Pass



John Su  
QA & QC Manager