

## Certificate of Analysis

Date of Testing: 2023-09-14 14:35:19  
Date of Next Testing: 2025-09-03 14:35:19  
Product Name: **(-)-Chicoric acid**  
CAS Number: 70831-56-0  
Specifications & Purity: analytical standard ,  $\geq 98\%$   
Lot #: K2127204  
SKU #: **C107325**  
**Analysis:** **276157**  
Storage Temperature: Store at 2-8°C

| Parameter  | Limit Values                          | Result                                |
|--|---------------------------------------|---------------------------------------|
| Hydrogen   | 3.67-3.95 (%)                         | 3.84 %                                |
| Carbon   | 53.44-57.9 (%)                        | 54.26 %                               |
| Purity(HPLC)   | 98-100 (%)                            | 98.32500 %                            |
| Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in MeOH})$ | -336--330 (°)                         | -333.20 °                             |
| Appearance (C107325)                                     | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Proton NMR spectrum                                      | Conforms to Structure                 | Conforms to Structure                 |



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