

## Certificate of Analysis

Date of Testing: 2023-01-13 08:54:15  
Date of Next Testing: 2026-01-12 08:54:15  
Product Name: **Chikusetsusaponin IVa**  
CAS Number: 51415-02-2  
Specifications & Purity: 98%  
Lot #: A2309338  
SKU #: **C414338**  
**Analysis: 119310**  
Storage Temperature: Store at -20°C

| Parameter                | Limit Values              | Result                    |
|--------------------------|---------------------------|---------------------------|
| Purity(HPLC area)        | 98-100 (%)                | 99.30%                    |
| Appearance(C414338)      | white to off-white powder | white to off-white powder |
| LC-MS for identification | Conforms                  | Conforms                  |
| NMR Spectrum 1H          | Conforms to Structure     | Conforms to Structure     |



John Su  
QA & QC Manager