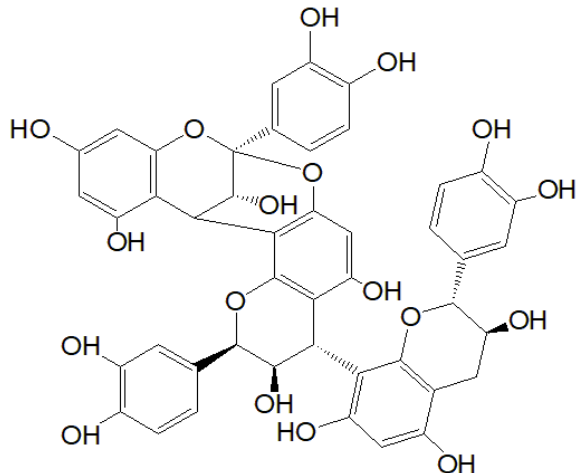


## Certificate of Analysis



**PRODUCT** Cinnamtannin D-1  
**BATCH #** 033-087-G  
**ASSAY METHOD** HPLC, <sup>1</sup>HNMR, MS  
**REPORT DATE** 2018-04-11  
**CHEMICAL NAME**  
**Other Names**  
**CHEMICAL FORMULA** C<sub>45</sub>H<sub>36</sub>O<sub>18</sub>  
**MOLECULAR WEIGHT** 864.79  
**CAS REG. #** 97233-06-2  
**STORAGE** Preferred: -20C in dark  
**EXPIRATION DATE** 2021-04-10  
**NOTES** From cinnamomum cassia, zeylanicum, burmannii

### Analytical Data

TEST	METHOD	SPECIFICATION	RESULT
HPLC at 245 nm	210 nm	>90%	99.15%
<sup>1</sup> H-NMR		Conforms	Conforms
Residual Solvents			NA
Appearance	NA	NA	Beige solid, crystalline
Adjusted Purity		99.15%	

Signed: Jan Glinski, Ph.D.  
 Planta Analytica LLC  
 April 11, 2018

