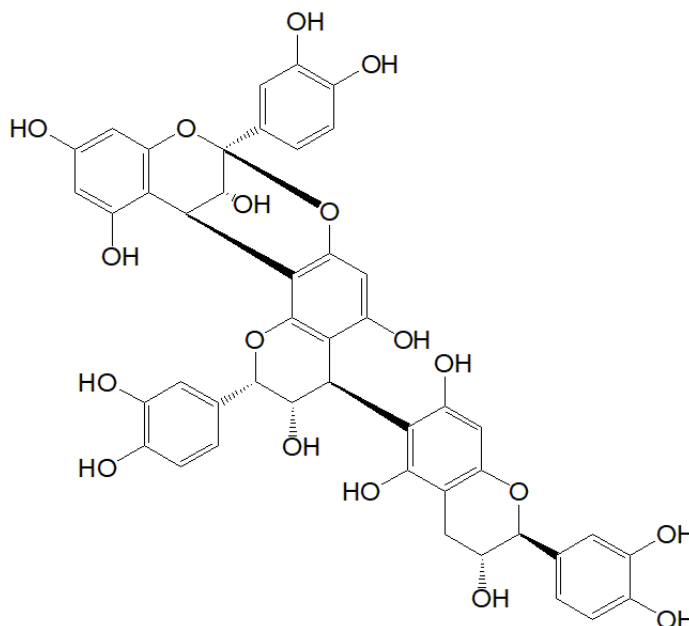


## Certificate of Analysis



<b>PRODUCT</b>	<b><i>Procyanidin Trimer C (A-type)</i></b>
<b>BATCH #</b>	PA-030-088-310
<b>ASSAY METHOD</b>	HPLC, <sup>1</sup> H-NMR
<b>REPORT DATE</b>	2019-12-11
<b>CHEMICAL NAME</b>	E-(2β-O-7, 4β-8)-E-(4β-6)-C
<b>OTHER NAMES</b>	Procyanidin Trimer (A-type)
<b>CHEMICAL FORMULA</b>	C <sub>45</sub> H <sub>36</sub> O <sub>18</sub>
<b>MOLECULAR WEIGHT</b>	864.76 g/mol
<b>CAS REG. #</b>	n/a
<b>STORAGE</b>	<-20 degrees C; dark
<b>EXPIRATION DATE</b>	2020-12-11
<b>NOTES</b>	Add additional notes.

### Analytical Data

TEST	METHOD	SPECIFICATION	RESULT
HPLC	210 nm	n/a	94.0%
<sup>1</sup> H-NMR		Conforms	Conforms
Residual Solvents		< 0.2%	
Appearance	Reddish-tan powder		

Signed: Jan Glinski, Ph.D.  
 Planta Analytica LLC  
 December 11, 2019

