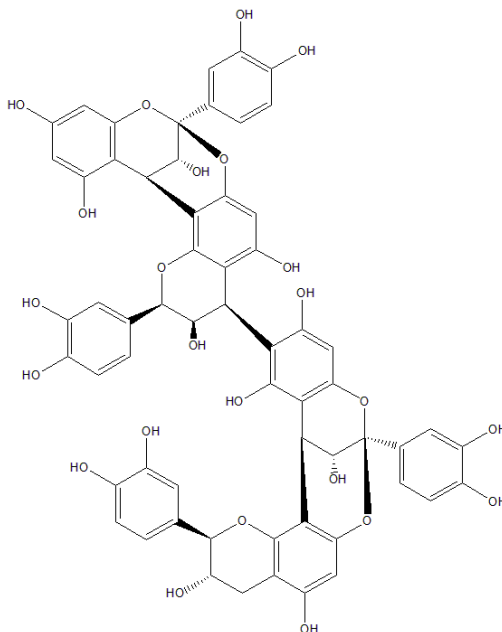


Certificate of Analysis



PRODUCT	<i>Procyanidin Tetramer E (A-type)</i>
BATCH #	PA-033-005-D
ASSAY METHOD	HPLC, ¹ H-NMR
REPORT DATE	2019-12-11
CHEMICAL NAME	E-(2β-O-7, 4β-8)-E-(4β-6)-E-(2β-O-7, 4β-8)-C
OTHER NAMES	n/a
CHEMICAL FORMULA	C ₆₀ H ₄₆ O ₂₄
MOLECULAR WEIGHT	1151.02 g/mol
CAS REG. #	n/a
STORAGE	<-20 degrees C; dark
EXPIRATION DATE	2020-12-11
NOTES	Add additional notes.

Analytical Data

TEST	METHOD	SPECIFICATION	RESULT
HPLC	210 nm	n/a	96.0%
¹ H-NMR		Conforms	Conforms
Residual Solvents		< 0.2%	
Appearance	Reddish-brown powder		

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

