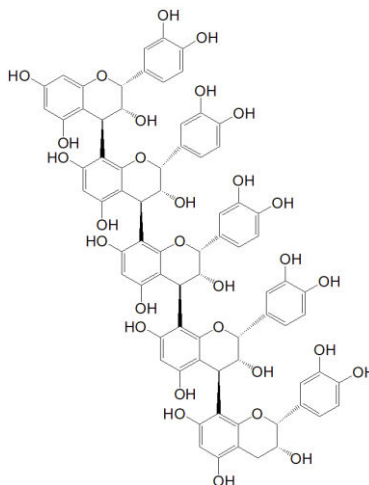


# Certificate of Analysis

## Product Information




<i>PRODUCT</i>	<b>Procyanidin Pentamer E (B-type)</b>
<i>BATCH #</i>	048-096-100
<i>ASSAY METHOD</i>	HPLC-UV,HPLC-MS
<i>REPORT DATE</i>	3/7/2023
<i>CHEMICAL NAME</i>	NA
<i>SMILES STRUCTURE</i>	NA
<i>OTHER NAMES</i>	Pentamer EEEEE
<i>CHEMICAL FORMULA</i>	C <sub>75</sub> H <sub>62</sub> O <sub>30</sub>
<i>MOLECULAR WEIGHT</i>	1443.3 g/mol
<i>CAS REG. #</i>	NA
<i>STORAGE</i>	<-18 degrees C; dark
<i>EXPIRATION DATE</i>	3/7/2025
<i>NOTES</i>	Isolated from Cocoa

## Analytical Data

TEST	METHOD	SPECIFICATION	RESULT
HPLC-UV	215 nm	NA	94.10%
MS	ESI Negative	1441.3	1441.8
Appearance	Tan powder		
Adjusted Purity	94.10%		

The producer certifies that this reference material meets the specifications stated in this certificate until the expiration date, provided it is stored unopened at the recommended conditions. All analytical data is prepared and stored following GLP guidelines.

CERTIFIED BY	CERTIFIED TITLE	CERTIFIED ON	SIGNATURE
Vitold Glinski	CEO	3/7/2023	

### Intended Use

This reference material is intended for laboratory use in analytical applications and as a quality control standard.

### Safety

Proper precautions should be observed while handling, as defined in the Materials Safety Data Sheet (MSDS).

### Storage

The product should be stored in the original packaging, sealed, and in the conditions dedicated in this certificate