

December 15, 2014

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**CERTIFICATE OF ANALYSIS**

AR-14-KK-020799-01

Batch #: EUCAPE-00063059

**Sample Identification:**

Sample #: 740-2014-00020418  
 Description: Delight, Banana Cream, Powder, Lot #305342036, Serving = 24.7g  
 Condition: Cream powder in a ziplock bag received at room temperature.  
 Date Received: December 01, 2014

**KK507: Amino Acid Profile, Free (HPLC) with OPA/Fmoc Derivatization**

Method Reference: Internal Method

Completed: 12/15/2014

	Result	Theoretical Level
Alanine (Free)	<0.003 g/Serving	
Arginine (Free)	<0.003 g/Serving	
Aspartic acid (Free)	<0.003 g/Serving	
Cystine, free	<0.003 g/Serving	
Glutamic acid (Free)	0.016 g/Serving	
Glycine (Free)	<0.003 g/Serving	0.7638 - 0.9648 g/serving
Histidine (Free)	<0.003 g/Serving	
Isoleucine (Free)	0.003 g/Serving	0.00285 - 0.0036 g/serving
Leucine (Free)	0.007 g/Serving	0.00285 - 0.0036 g/serving
Methionine (Free)	<0.003 g/Serving	
Phenylalanine	<0.003 g/Serving	
Serine (Free)	<0.003 g/Serving	
Sum of free amino-acids	0.208 g/Serving	
Threonine (Free)	<0.003 g/Serving	
Tyrosine (Free)	<0.003 g/Serving	
Valine (Free)	0.004 g/Serving	0.00285 - 0.0036 g/serving

**KK512: Glutamine, Free (HPLC) with OPA/Fmoc Derivatization**

Method Reference: Internal Method

Completed: 12/15/2014

	Result	Theoretical Level
Glutamine (Free)	0.179 g/Serving	0.1539 - 0.1944 g/serving

**QD252: Protein - Combustion**

**Method Reference:** AOAC 990.03; AOAC 992.15

**Completed:** 12/15/2014

	<b>Result</b>	<b>Theoretical Level</b>
Total Protein Minus Free Amino Acids (Calculation)	16.15 g/Serving	
Protein	16.36 g/Serving	16 g/serving

**QQ141: Tryptophan (AOAC, Most Matrices)**

**Method Reference:** AOAC 988.15

**Completed:** 12/10/2014

	<b>Result</b>	<b>Theoretical Level</b>
Tryptophan	0.36 g/Serving	

**QQ176: Amino Acids by AH (AOAC, Most Matrices)**

**Method Reference:** AOAC 982.30 mod.

**Completed:** 12/10/2014

	<b>Result</b>	<b>Theoretical Level</b>
Aspartic Acid	1.94 g/Serving	
Threonine	1.34 g/Serving	
Serine	0.99 g/Serving	
Glutamic Acid	3.38 g/Serving	
Proline	1.09 g/Serving	
Glycine	0.36 g/Serving	
Alanine	0.92 g/Serving	
Valine	1.09 g/Serving	
Isoleucine	1.14 g/Serving	
Leucine	1.91 g/Serving	
Tyrosine	0.50 g/Serving	
Phenylalanine	0.59 g/Serving	
Total Lysine	1.70 g/Serving	
Histidine	0.33 g/Serving	
Arginine	0.48 g/Serving	

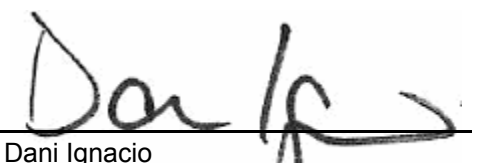
**QQ177: Cystine & Methionine (AOAC, Most Matrices)**

**Method Reference:** AOAC 994.12 mod.

**Completed:** 12/10/2014

	<b>Result</b>	<b>Theoretical Level</b>
Cystine	0.40 g/Serving	
Methionine	0.38 g/Serving	

Results pertain only to the items tested.  
All results are reported on an as-is basis unless otherwise stated.  
Estimation of uncertainty of measurement is available upon request.  
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