

July 15, 2015

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**CERTIFICATE OF ANALYSIS**

AR-15-KK-012028-01

Batch #: EUCAPE-00071689

**Sample Identification:**

Sample #: 740-2015-00011174  
 Description: Hardcore Whey Diesel Vanilla Ice Cream, Powder, Lot #96673046, Serving = 1 Scoop (38.6g)  
 Condition: Powder in a consumer labeled black plastic container received at room temperature.  
 Date Received: June 23, 2015

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

Method Reference: Internal Method

Completed: 07/01/2015

	Result	Theoretical Level
Glutamine (Free)	4.95 g/Serving	5 g/serving

**QD252: Protein - Combustion**

Method Reference: AOAC 990.03; AOAC 992.15

Completed: 07/01/2015

	Result	Theoretical Level
Total protein Minus Free Amino Acid (Calculation)	27.98 g/Serving	
Protein	32.97 g/Serving	25 g/serving

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

Method Reference: AOAC 988.15

Completed: 07/03/2015

	Result	Theoretical Level
Tryptophan	0.57 g/Serving	

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

**Method Reference:** AOAC 982.30 mod.

**Completed:** 07/03/2015

	<b>Result</b>	<b>Theoretical Level</b>
Aspartic Acid	3.40 g/Serving	
Threonine	2.15 g/Serving	
Serine	1.45 g/Serving	
Glutamic Acid	10.57 g/Serving	
Proline	1.79 g/Serving	
Glycine	0.51 g/Serving	
Alanine	1.53 g/Serving	
Valine	1.79 g/Serving	
Isoleucine	1.98 g/Serving	
Leucine	3.24 g/Serving	
Tyrosine	0.86 g/Serving	
Phenylalanine	0.92 g/Serving	
Total Lysine	3.07 g/Serving	
Histidine	0.53 g/Serving	
Arginine	0.68 g/Serving	

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

**Method Reference:** AOAC 994.12 mod.

**Completed:** 07/03/2015


	<b>Result</b>	<b>Theoretical Level</b>
Cystine	0.62 g/Serving	
Methionine	0.64 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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