

Certificate of Analysis
For Information only

- ◆ CUSTOMER NAME Vanguard Manufacturing & Distribution (CLM0000)
- ◆ ATTENTION OF Bryan Matthews
- ◆ REPORT DATE 12-1-15(12-3-15)
- ◆ CEUTICAL LABS PROJECT # 36034BC945(Rev 1)
- ◆ ANALYST NAME X. Fei / A. Younger / R. Robles
- ◆ ANALYSIS REQUESTED % Acetoin, Butanedione, Pentanedione
- ◆ METHODS LTM-226-A
- ◆ SAMPLE TYPE Finished Product

◆ **SAMPLE IDENTIFICATION AND RESULTS**

SAMPLE IDENTIFICATION	CL LAB ID	ACETOIN
Action Fluid: Berry Magical 0.3%, Lot # AD151016FM	BC945	39 ppm

CL LAB ID	BUTANEDIONE	PENTANEDIONE
BC945	<5 ppm	15 ppm

M. Reed 12-3-15
Technical Review Date

Jeffery Smith 12-3-15
Quality Review Date

The results stated above are provided with the most accurate method available. However, the test method has not been validated to current USP and ICH guidelines for this product. Method validations are the responsibility of the manufacturer for each product.

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- ◆ ATTENTION OF Bryan Matthews
- ◆ REPORT DATE 12-1-15(12-3-15)
- ◆ CEUTICAL LABS PROJECT # 36034BC946(Rev 1)
- ◆ ANALYST NAME X. Fei / A. Younger / R. Robles
- ◆ ANALYSIS REQUESTED % Acetoin, Butanedione, Pentanedione
- ◆ METHODS LTM-226-A
- ◆ SAMPLE TYPE Finished Product

◆ **SAMPLE IDENTIFICATION AND RESULTS**

SAMPLE IDENTIFICATION	CL LAB ID	ACETOIN
Action Fluid: Melon Blitz 0.0%, Lot # AD151016FM	BC946	<5 ppm

CL LAB ID	BUTANEDIONE	PENTANEDIONE
BC946	<5 ppm	<5 ppm

M. Robles 12-3-15
Technical Review Date

Tiffany Smith 12-3-15
Quality Review Date

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- ◆ ATTENTION OF Bryan Matthews
- ◆ REPORT DATE 12-1-15(12-3-15)
- ◆ CEUTICAL LABS PROJECT # 36034BC947(Rev 1)
- ◆ ANALYST NAME X. Fei / A. Younger / R. Robles
- ◆ ANALYSIS REQUESTED % Acetoin, Butanedione, Pentanedione
- ◆ METHODS LTM-226-A
- ◆ SAMPLE TYPE Finished Product

◆ **SAMPLE IDENTIFICATION AND RESULTS**

SAMPLE IDENTIFICATION	CL LAB ID	ACETOIN
Action Fluid: Mmm...ilkshake 0.15%, Lot # AF151020FM	BC947	<5 ppm

CL LAB ID	BUTANEDIONE	PENTANEDIONE
BC947	<5 ppm	10 ppm

M. Lee 12-3-15
Technical Review Date

Tiffany Smith 12-3-15
Quality Review Date

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- ◆ ATTENTION OF Bryan Matthews
- ◆ REPORT DATE 12-1-15(12-3-15)
- ◆ CEUTICAL LABS PROJECT # 36034BC948(Rev 1)
- ◆ ANALYST NAME X. Fei / A. Younger / R. Robles
- ◆ ANALYSIS REQUESTED % Acetoin, Butanedione, Pentanedione
- ◆ METHODS LTM-226-A
- ◆ SAMPLE TYPE Finished Product

◆ SAMPLE IDENTIFICATION AND RESULTS

SAMPLE IDENTIFICATION	CL LAB ID	ACETOIN
Action Fluid: Twisted Tropics 0.6%, Lot # AF151020FM	BC948	<5 ppm

CL LAB ID	BUTANEDIONE	PENTANEDIONE
BC948	<5 ppm	7 ppm

Maceo Dea 12-3-15
Technical Review Date

Tiffany Smith 12-3-15
Quality Review Date

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