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## CERTIFICATE OF ANALYSIS

<b>NAME OF PRODUCT:</b>	<b>Rebaudioside M 50</b>
<b>BATCH #:</b>	<b>PT170513</b>
<b>MANUFACTURING DATE:</b>	<b>17<sup>th</sup> May 2013</b>
<b>SHELF LIFE:</b>	<b>2 years from manufacturing date</b>
<b>MANUFACTURING CONDITIONS:</b>	<b>GMP (ISO 22,000:2005/22,002-1:2009), FSSC22000</b>
<b>STORAGE CONDITION:</b>	<b>25°C Max, relative humidity 50-60%</b>

PARAMETER	METHODS	SPECIFICATION	RESULT
Appearance	Sensory Evaluation	White to off-white powder	Approved
Taste and Odor	" "	Clean sweet taste with no abnormal odor	Approved
Absorbance at 370nm , 0.1% solution	GB 8270-1999	≤0.1	Passed
Total Steviol Glycosides, % (anhydrous basis)*	JECFA, 2010	≥95	95.58
Rebaudioside M, % (anhydrous basis)	" "	50-60	55.79
Rebaudioside D, % (anhydrous basis)	" "	30-45	33.89
Loss on Drying, %	JECFA Vol.4	≤6.0	2.56
pH, 0.1% solution	" "	4.5 - 7.0	5.33
Residual Ethanol, %	USP<467>	<0.50	0.084
Residual Methanol, %	" "	<0.02	0.001
Ash, %	JECFA Vol.4	<1.0	<0.005
Solubility in water	" "	Sparingly soluble	Approved
Turbidity, 0.1% solution, FAU	Colorimeter	≤10	2
Lead (as Pb), ppm	AOAC 993.14	<1.0	<0.005
Arsenic (as As), ppm	" "	<1.0	<0.005
Cadmium (as Cd), ppm	" "	<1.0	<0.005
Mercury (as Hg), ppm	" "	<1.0	<0.005
Total Plate Count, CFU/g	AOAC966.23	<1000	Not Detected
Yeast, CFU/g	AS 1766.2.2	<10	Not Detected
Mold, CFU/g	" "	<10	Not Detected
Total Coliforms, MPN/g	ISO 4831	<10	Not Detected
<i>E.coli</i> count, MPN/g	ISO 7251	Not Detected	Not Detected
Thermophilic Acidophilic bacteria, CFU/g	JFJA 2007**	Not Detected	Not Detected
Guaiacol producing bacteria, CFU/g	" "	Passes test	Passed
<i>S. aureus</i> , CFU/g	Chapter 12, FDA	<10	Not Detected
<i>Salmonella</i> sp.	ISO 6579	Negative/25g	Negative
<i>Listeria</i>	Chapter 10, FDA	Negative/1g	Negative

\* Rebaudioside M+ 9 Steviol Glycosides FAO JECFA Monographs 10 (2010)

\*\* Japan Fruit Juice Association, Jan-2007

Prepared by: \_\_\_\_\_

Quality Assurance Department  
Date: 15<sup>th</sup> August 2014

Reviewed by: \_\_\_\_\_

Quality Assurance Department  
Date: 15<sup>th</sup> August 2014