B. Appendices

Appendix 1 Specifications and Certificates of Analyses for Raw Materials and Production Processing Aids

Appendix 1.1 Stevia Extract

Appendix 1.2 Ferrous Sulfate

Appendix 1.3 Calcium Hydroxide

Appendix 1.4 Adsorption Resin

Appendix 1.5 Membrane

Appendix 1.6 Maltodextrin

Appendix 1.7 α-Amylase

Appendix 1.8 Ethanol

Appendix 1.1 Stevia Extract

圣仁制药
Shengren Pharmaceuticals

Analysis Report of Steviosides

文件编号 File No. REG-ZL-0005-00

名称：甜菊糖苷 Name: Stevioside	数量： Quantity: 2000Kg	批号： Batch No.:20170501	生产日期： MFG Date:2017.05.01
拉丁名称： Latin Name:stevia rebaudiana	提取部位：叶子 Part of Used : leave	规格： Size: 10kg /袋	报告日期： Reporting Date:2017.05.14
包装：内双层聚乙烯袋，纸箱 Packing: internal double polyethylene bag, outer carton	来源国家：中国 Country of Origin: China	颗粒大小：80 目 Partical size Analysis : 80 Mesh	过期日期： Exp. Date:2019.04.30
检验依据 Test basis	甜菊糖苷国家标准 GB8270-2014 《中国药典》2015 年版四部 Stevioside national standard GB8270-2014 " Chinese Pharmacopoeia " 2015 edition four		

项目 Items	规格 Specification	检验结果 Results
外观 Appearance	Powder	Powder
颜色 Color	white	white
气味 Oder	Characteristic	Characteristic
甜菊糖苷含量(以干基计，ω)/% Total Glucoside Content/%	≥95	95.55
RA 苷含量/%Rebaudioside A /%		8.98
甜菊苷含量/%Stevioside/%	≥80	80.96
RC 苷含量/% Rebaudioside C /%		1.20
溶解性 Solubility	Freely soluble in a mixture of ethanol and water (50:50)	PASS
甜度倍 Sweetness	≥250	>250
比旋度 Specific Rotation	-30° ~ -38°	-37.1°
比吸光度 Absorbency	≤0.08	0.049
PH 值	4.5-7.0	5.01
灼烧残渣(ω) /% Burned residue/%	≤0.2	0.15
干燥失重(ω) /% Loss on Drying/%	≤5	3.60
铅(Pb)/(mg/kg) Lead(Pb)/(mg/kg)	≤1	<1
总砷(以 As 计)/(mg/kg) Arsenic/(mg/kg)	≤1	<1
甲醇/(mg/kg)methanol/(mg/kg)	≤ 200	63
乙醇/(mg/kg)ethanol/(mg/kg)	≤ 5000	262
微生物分析 Microbiological Analysis:		
需氧菌总数 TABC	<1000cfu/g	<1000 cfu/g
霉菌及酵母菌数 Yeast/Mold	<100 cfu/g	<100 cfu/g
保存期 Shelf Life:	Two Years	
结论 Conclusion	Compliance	

质量部部长 Quality Minister: [illegible] 检验员 Analyst: [illegible] 核对员 Checker: [illegible]

Appendix 1.2 Ferrous Sulfate

CMA
181000110049

检验检测报告

Test Report

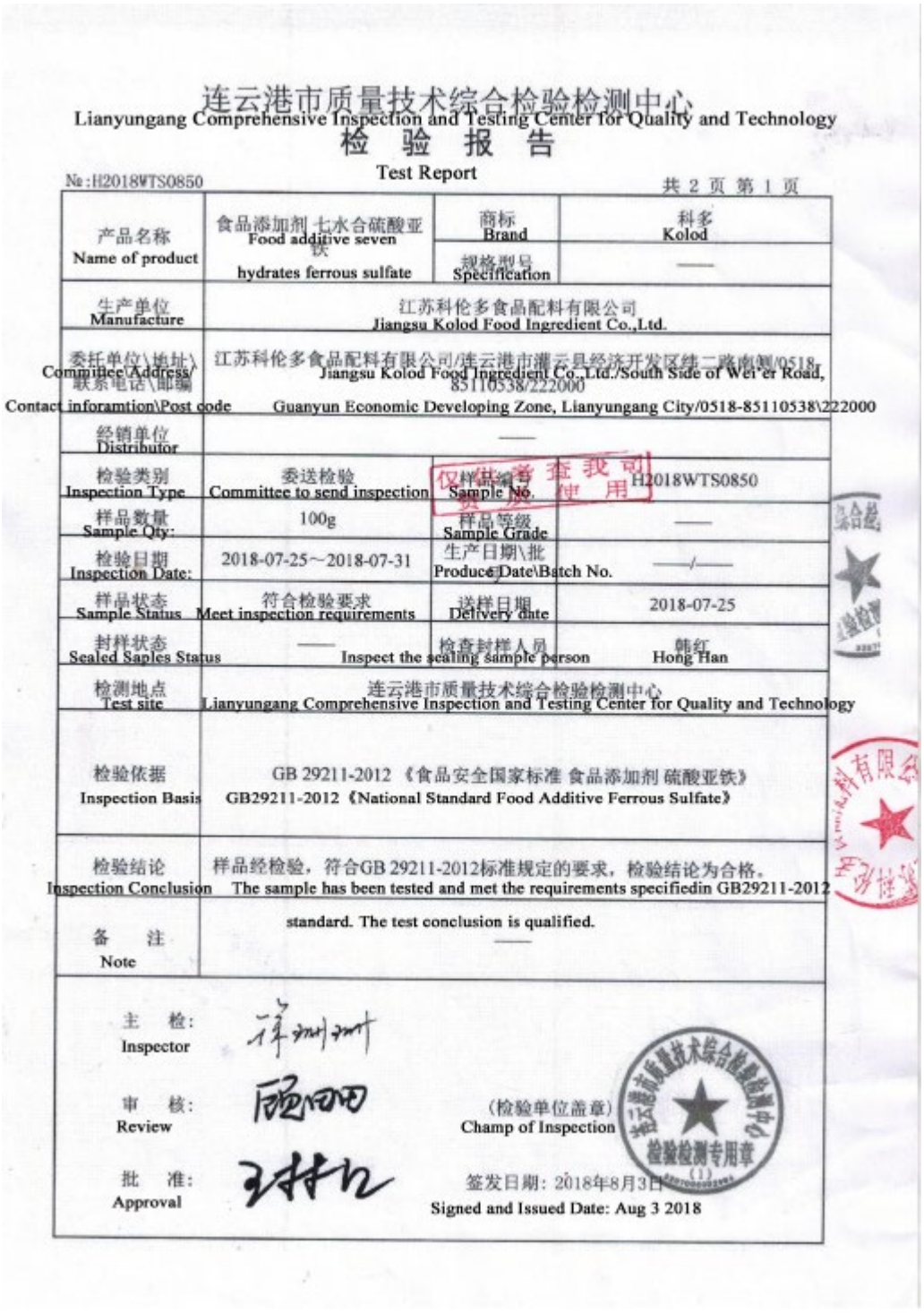
仅供查我司资质使用

No.:H2018WTS0850

防伪码:FHZ6L4

产品名称： Product Name	食品添加剂 七水合硫酸亚铁 Food additive Seven hydrates ferrous sulfate
经销单位： Unitbeing tested	
生产单位： Manufacturer	江苏科伦多食品配料有限公司 Jiangsu Kolod Food Ingredients Co.,Ltd.
委托单位： Entrusting Unit	江苏科伦多食品配料有限公司 Jiangsu Kolod Food Ingredients Co.,Ltd.
检验类别： Test Kind	委送检验 Committee to send inspection

连云港市质量技术综合检验检测中心
Lianyungang Comprehensive Inspection and Testing Center for Quality and Technology



连云港市质量技术综合检验检测中心
Lianyungang Comprehensive Inspection and Testing Center for Quality and Technology

检 验 报 告
Test Report

№:H2018WTS0850 共 2 页 第 1 页

产品名称 Name of product	食品添加剂 七水合硫酸亚铁 Food additive seven hydrates ferrous sulfate	商标 Brand	科多 Kolod
		规格型号 Specification	——
生产单位 Manufacture	江苏科伦多食品配料有限公司 Jiangsu Kolod Food Ingredient Co.,Ltd.		
委托单位\地址\联系电话\邮编 Committee\Address\ Contact inforamtion\Post code	江苏科伦多食品配料有限公司/连云港市灌云县经济开发区纬二路南侧/0518-85110538/222000 Jiangsu Kolod Food Ingredient Co., Ltd./South Side of Wei'er Road, Guanyun Economic Developing Zone, Lianyungang City/0518-85110538\222000		
经销单位 Distributor	——		
检验类别 Inspection Type	委送检验 Committee to send inspection	样品编号 Sample No.	H2018WTS0850
样品数量 Sample Qty:	100g	样品等级 Sample Grade	——
检验日期 Inspection Date:	2018-07-25~2018-07-31	生产日期\批 Produce Date\Batch No.	——/——
样品状态 Sample Status	符合检验要求 Meet inspection requirements	送样日期 Delivery date	2018-07-25
封样状态 Sealed Saples Status	——	检查封样人员 Inspect the sealing sample person	韩红 Hong Han
检测地点 Test site	连云港市质量技术综合检验检测中心 Lianyungang Comprehensive Inspection and Testing Center for Quality and Technology		
检验依据 Inspection Basis	GB 29211-2012《食品安全国家标准 食品添加剂 硫酸亚铁》 GB29211-2012《National Standard Food Additive Ferrous Sulfate》		
检验结论 Inspection Conclusion	样品经检验，符合GB 29211-2012标准规定的要求，检验结论为合格。 The sample has been tested and met the requirements specifiedin GB29211-2012 standard. The test conclusion is qualified.		
备 注 Note	——		

主 检: Inspector

审 核: Review

批 准: Approval

(检验单位盖章) Champ of Inspection

签发日期: 2018年8月3日 Signed and Issued Date: Aug 3 2018

仅供查验我司资质使用

检验结果
Test Result

№:H2018WTS0850

共 2 页 第 2 页

序号	检验项目 No: Test Item		单位 Unit	技术要求 Technical Requirement	检验结果 Test Result	单项评价 Single Evaluation
1	感官要求 Sensory Requirement	色泽 Color	——	灰色或蓝绿色 Grey color or buile-green color	蓝绿色 Blue-green	合格 Qualified
		状态 State:	——	粒状晶体 Granule	粒状晶体 Granule	合格 Qualified
2	硫酸亚铁（以$FeSO_4 \cdot 7H_2O$计）含量：w/% Ferrous Sulfate Content		——	99.5～104.5	100.0	合格 Qualified
3	铅（Pb）		mg/kg	≤2	<2	合格 Qualified
4	汞（Hg）		mg/kg	≤1	未检出（检出限：0.002mg/kg）	合格 Qualified
5	砷（As）		mg/kg	≤3	<3	合格 Qualified
备注 Note	——					

Appendix 1.3 Calcium Hydroxide

Specification of Calcium Hydroxide

Product	Food grade Calcium Hydroxide	
Active components	Calcium Hydroxide	
Method	Made from Calcined limestone with water, then purified	
Physical Character	Appearance	White powder
Chemical Character	Calcium Hydroxide [$Ca(OH)_2$] W/%	95.0～100.5
	Carbonate	Pass Appendix A 5
	Magnesium and Alkali, W/% ≤	2.0
	Acid insoluble, W/% ≤	0.1
	Arsenic (As) /(mg/kg) ≤	2
	Fluoride (F) /(mg/kg) ≤	50
	Lead (Pb) /(mg/kg) ≤	2
	Heavy Metals (以Pb计) (mg/kg) ≤	10
	Dry on Loss, W/% ≤	1.0
	Residue on Sieve (0.045mm), W/% ≤	0.4
	Microbials	N/D
Original	China	
Storage	Store in a cool and dry place to avoid breakage and contamination	
Standard	GB25572-2010《Quality Standard of Calcium Hydroxide》	

Appendix 1.4 Adsorption Resin

证明

我公司生产的大孔吸附树脂为苯乙烯与二乙烯苯共聚物，生产及检测过程严格遵守美国 FDA 21CFR173.65，AP（97）1 和欧洲食品管理条例，且本产品不含明胶和任何动物及动物组织的成分，树脂生产设备不涉及猪肉和猪肉衍生物，可用于食品、医药类处理及提纯。

CERTIFICATION

My company produces the macroporous adsorption resin of styrene and divinyl benzene copolymer, production and testing process strictly abide by the American FDA 21 CRF173. 65, the AP (97) 1 and the European food regulations, and this product does not contain any animals and animal tissue composition, gelatin and resin production equipment does not involve pork or pork derivatives, can be used for food, medicine, treatment and purification.

西安蓝晓科技新材料股份有限公司

Sunresin New Materials Co.Ltd.,Xi' an

CERTIFICATE OF FDA REGISTRATION

Certification No.:CTC603-20130107

2013-2014

Dear Official Correspondent:
This document provides notification of the registration number assigned to your establishment. The registration with the U.S. Food and Drug Administration pursuant to the Federal Food Drug and Cosmetic Act,as amended by the Bioterrorism Act of 2002 and the FDA Food Safety Modernization Act, such registration having been verified as currently effective on the date hereof by CYTECH INFORMATION SEVICE CO.,LTD(as referred to CTC).

Establishment:
Sunresin new materials co.,ltd. Xi'an
No.72, Keji 2road,tianze building,
xi'an hi-tech industrial, development zone,
xi'an, Shaanxi Provience.710075,China

Registration No.: 13875411932
PIN: d5707abd

Conclusion:
This certificate makes no other representations or warranties, nor does it make any representations and warranties to any person or entity other than the named certificate holder. CTC assumes no liability to any person or entity in connection with the foregoing. The U.S. Food and Drug Administration does not issue a certificate of registration, nor does the U.S. Food and Drug Administration recognize a certificate of registration. CTC is not affiliated with the U.S. Food and Drug Administration.

For CTC CERTIFICATION

Web:www.ce0577.com
TEL: 086-577-88606182
E-mail: ctc0577@hotmail.com
Validity: Jan.15.2013--NOV.1.2014
ADDRESS:Room 404,No.7, Jinhuicang Homeland, Liuhongqiao Road, Wenzhou City, Zhejiang Province, 325000 China

PONY

Pony Testing International Group

No.: H04241055918D-1 Date: 2013.05.06 Page 1 of 1

Applicant: Sunresin New Materials Co.Ltd, Xi' an

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Name: Adsorption resin for food industrialuse

Sample From: Sunresin New Materials Co.Ltd, Xi' an

Sample Received Date: 2013.04.24

Reference Method: GB/T 24395-2009, GB/T 24396-2009

Results:

Test Item	Limit	Test Result
Toluene, mg/kg	≤20	Not detected (<6.0)
Dimethylbenzene, mg/kg	≤20	Not detected (<6.0)
Benzene, mg/kg	≤2	Not detected (<0.6)
Methyl methacrylate, mg/kg	≤20	Not detected (<6.0)
Heavy metals(as Pb), %	≤0.0015	<0.0015
1,2-Dichloroethane, mg/kg	≤2	Not detected (<0.6)
Chlorobenzene, mg/kg	≤10	Not detected (<3.0)
Acrylonitrile, mg/kg	≤10	5.49
Styrene, mg/kg	≤20	Not detected (<6.0)
Divinylbenzene, mg/kg	≤10	Not detected (<3.0)
Appearance	Uniform spherical, no visible impurity	Uniform spherical, gray, no visible impurity

Approved by:

Issued Date: 2013.05.06

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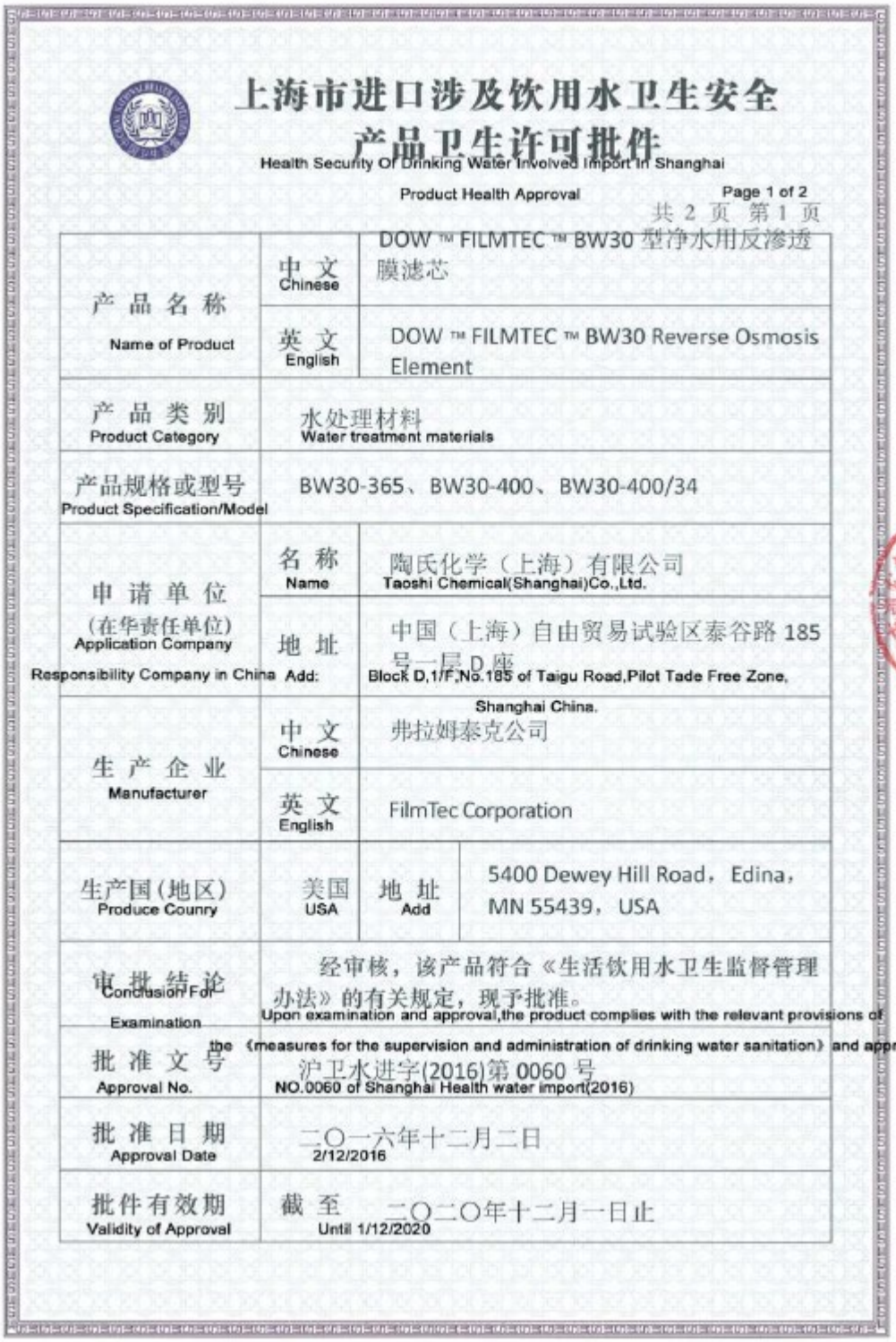
PONY 谱尼测试 Pony Testing International Group

www.ponytest.com Hotline 400-819-5688

Appendix 1.5 Membrane



上海市进口涉及饮用水卫生安全产品卫生许可批件

Health Security Of Drinking Water Involved Import In Shanghai

Product Health Approval

Page 1 of 2 共 2 页 第 1 页

产品名称 Name of Product	中文 Chinese	DOW ™ FILMTEC ™ BW30 型净水用反渗透膜滤芯	
	英文 English	DOW ™ FILMTEC ™ BW30 Reverse Osmosis Element	
产品类别 Product Category	水处理材料 Water treatment materials		
产品规格或型号 Product Specification/Model	BW30-365、BW30-400、BW30-400/34		
申请单位（在华责任单位） Application Company Responsibility Company in China	名称 Name	陶氏化学（上海）有限公司 Taoshi Chemical(Shanghai)Co.,Ltd.	
	地址 Add:	中国（上海）自由贸易试验区泰谷路 185 号一层 D 座 Block D,1/F,No.185 of Taigu Road,Pilot Tade Free Zone, Shanghai China.	
生产企业 Manufacturer	中文 Chinese	弗拉姆泰克公司	
	英文 English	FilmTec Corporation	
生产国(地区) Produce Counry	美国 USA	地址 Add	5400 Dewey Hill Road，Edina，MN 55439，USA
审批结论 Conclusion For Examination	经审核，该产品符合《生活饮用水卫生监督管理办法》的有关规定，现予批准。 Upon examination and approval,the product complies with the relevant provisions of the 《measures for the supervision and administration of drinking water sanitation》 and approved.		
批准文号 Approval No.	沪卫水进字(2016)第 0060 号 NO.0060 of Shanghai Health water import(2016)		
批准日期 Approval Date	二〇一六年十二月二日 2/12/2016		
批件有效期 Validity of Approval	截至 二〇二〇年十二月一日止 Until 1/12/2020		

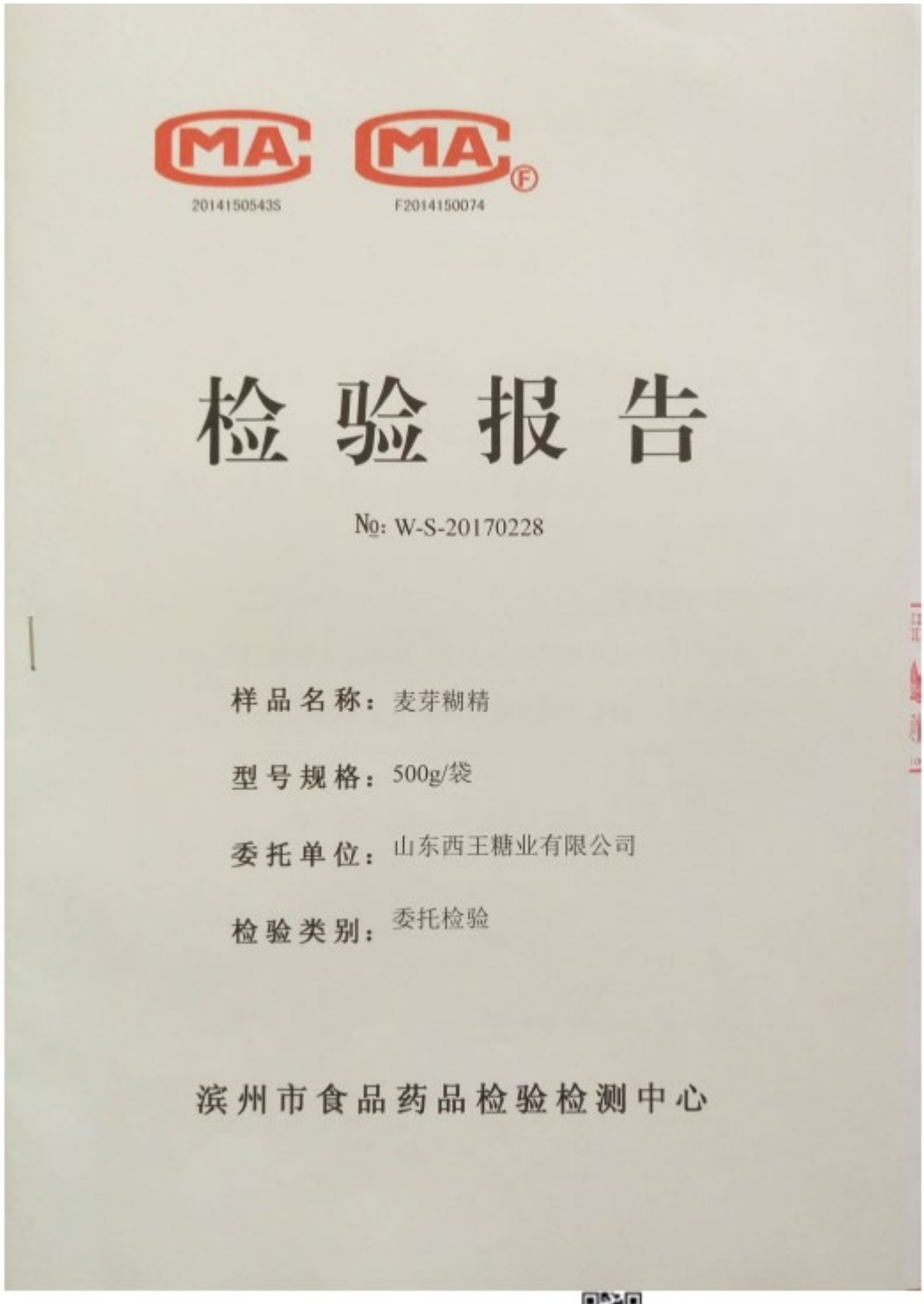
Page 2 of 2
共 2 页 第 2 页

Technical Information of Product 产品技术信息	【产品说明】Product information: 作为生活饮用水水处理材料使用。材质符合《生活饮用水输配水设备及防护材料卫生安全评价规范》（2001）的要求。 Used as treatment material for drinking water. The material is in line with the requirement of "standard for hygienic safety evaluation of protective materials for drinking water supply and distribution"(2001) 【主要成份或部件】Main component 复合膜片（聚酯合成纤维无纺织布增强层+聚砜多孔支撑层+聚酰胺超薄分离层） Composite diaphragm(polyester synthetic fiber nonwoven fabric reinforcement layer+polysulfone porous layer+polyamides ultra-thin seperation layer) 丙烯腈-丁二烯-苯乙烯(ABS)中央集水管 Central collector pipe of acrylonitrile-butadiene-styrene(ABS) 环氧树脂浸渍涤纶布通过水流路网 Expoxy resin impregnated polyester fabric through water flow network 玻璃纤维和环氧树脂外壳 Glass fiber and epoxy resin coated 聚丙烯原水流路网 Polypropylene original flow network 【使用范围】Scope of use 生活饮用水处理 Treatment of domestic drinking water 【注意事项】Announcement 根据使用说明定期更换 Periodic replace per instruction
备 注 Remark	1. 本批件只对与所载明内容（包括名称、类别、规格、申请单位、企业、附件内容等）一致的产品有效，且必须在本批件注明的实际生产企业生产。 This approval is only valid for products that are consistent with the specified contents(including name,category,specification,applicant,enterprise,annex,etc), and must be produced by the actural manufacturer specified in this approval. 2. 批准时仅对其所申报材料对应产品的卫生安全性进行了审核，未对其所宣传的功能和其他质量问题进行评价。 At the time of approval,only the health safety of the product corresponding to the declared materials was reviewed,and the advertised function and other quality problems were not evaluted. 3. 产品名称：《DOW™ FILMTEC™ BW30 型海水用反渗透膜滤芯》DOW FILMTEC BW30 Reverse Osmosis Element 4. 第三生产国情况：生产企业：中文：陶氏特种品有限公司 英文:Dow Specialties Limited Third production country situation 地址：Building S0710,Jubail 2（Stage 3）, Intersection of T218& T-317, c/o Sadara Chemical Company,Jubail Inbail Industrial City 31961,Saudi Arabia

请于批件有效期届满30个工作日之前提出延续申请。
Please apply for extension 30 working days before the expiry date.

Shanghai Pudong New Area Health and Family Plan Commission
上海市浦东新区卫生和计划生育委员会
二〇一六年十二月二日
Dec.2 2016

Appendix 1.6 Maltodextrin (Chinese and Translated)



2014150543S F2014150074

检 验 报 告

No: W-S-20170228

样品名称：麦芽糊精

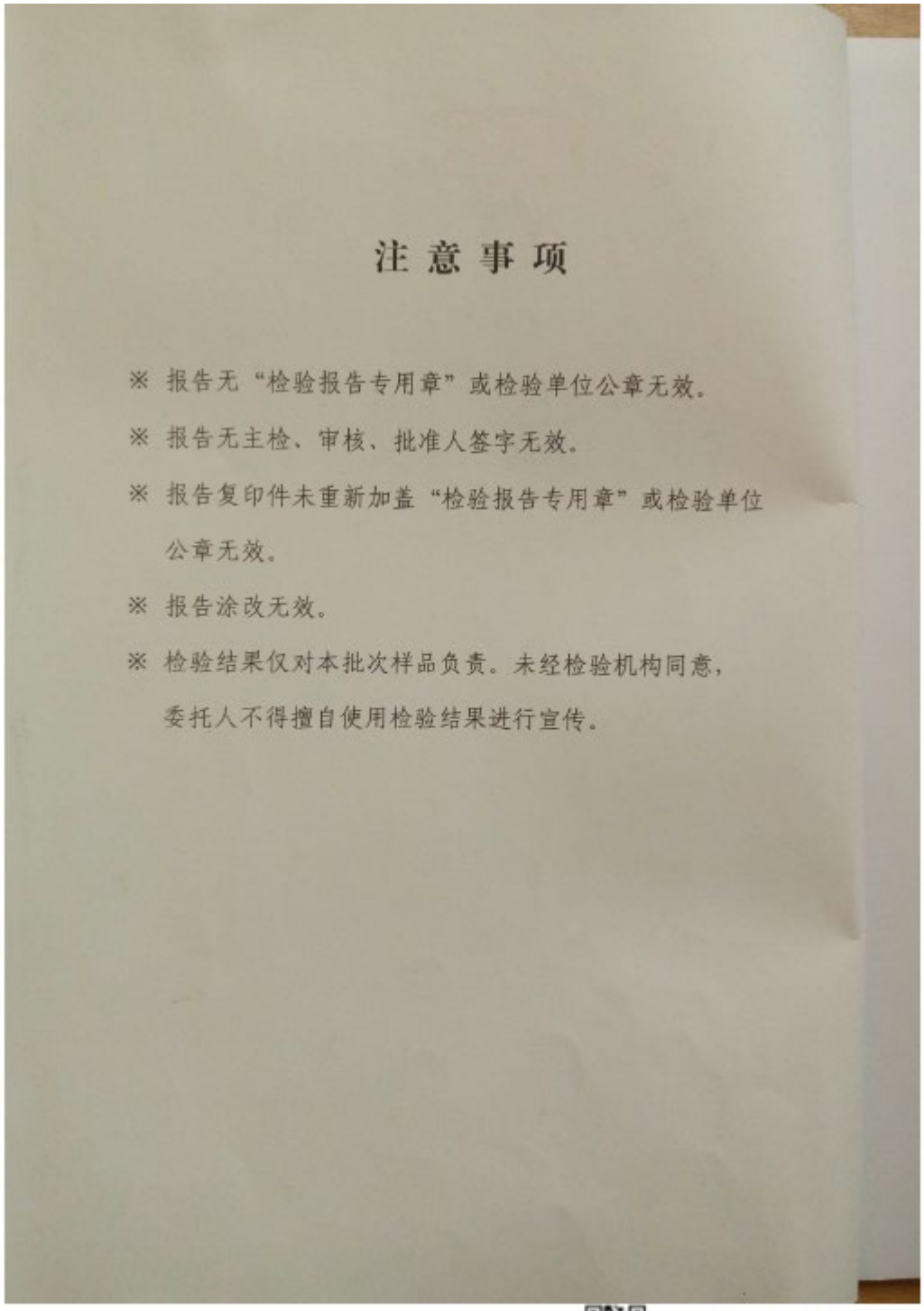
型号规格：500g/袋

委托单位：山东西王糖业有限公司

检验类别：委托检验

滨州市食品药品检验检测中心

由 扫描全能王 扫描创建



注 意 事 项

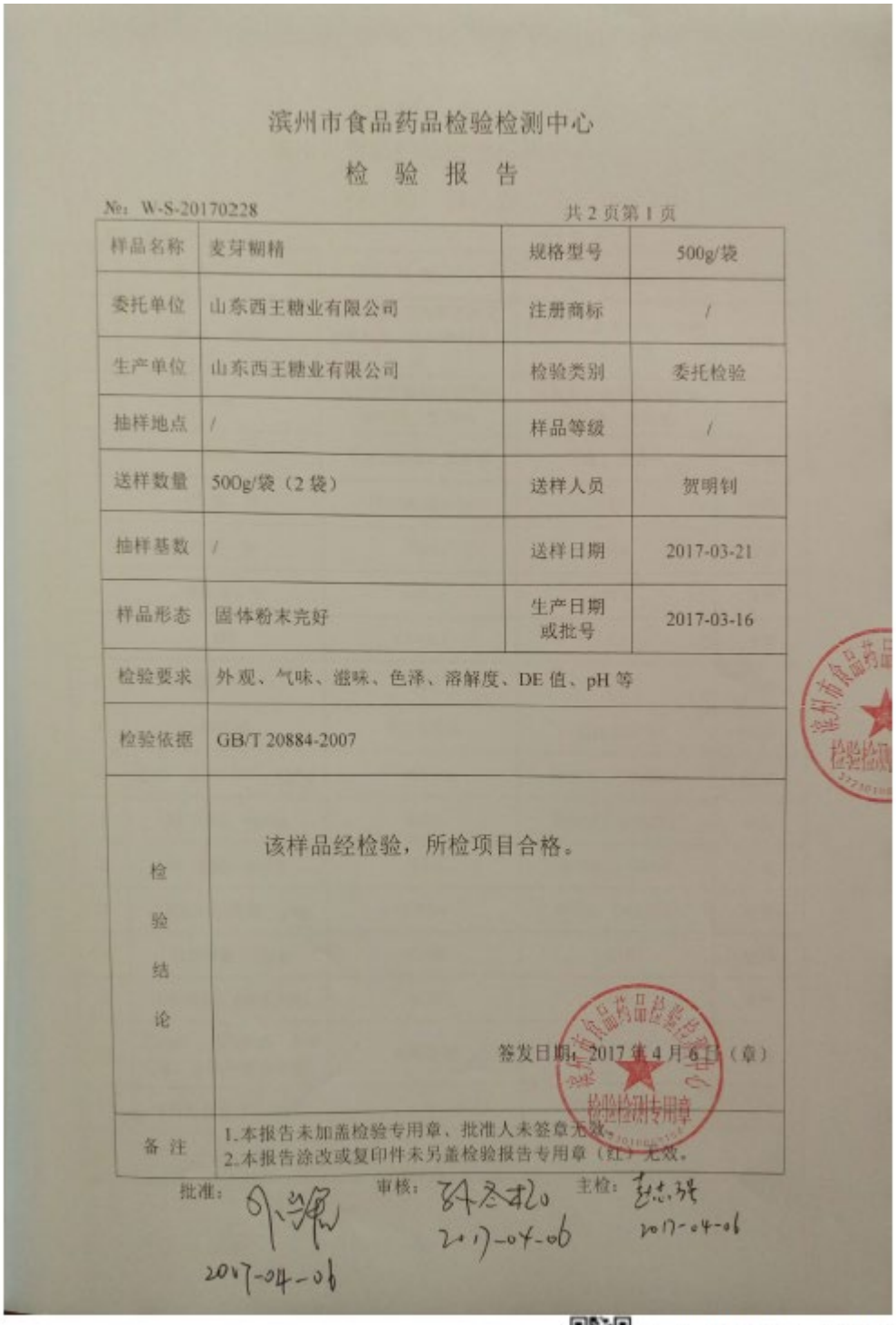
※ 报告无“检验报告专用章”或检验单位公章无效。

※ 报告无主检、审核、批准人签字无效。

※ 报告复印件未重新加盖“检验报告专用章”或检验单位公章无效。

※ 报告涂改无效。

※ 检验结果仅对本批次样品负责。未经检验机构同意，委托人不得擅自使用检验结果进行宣传。



滨州市食品药品检验检测中心

检 验 报 告

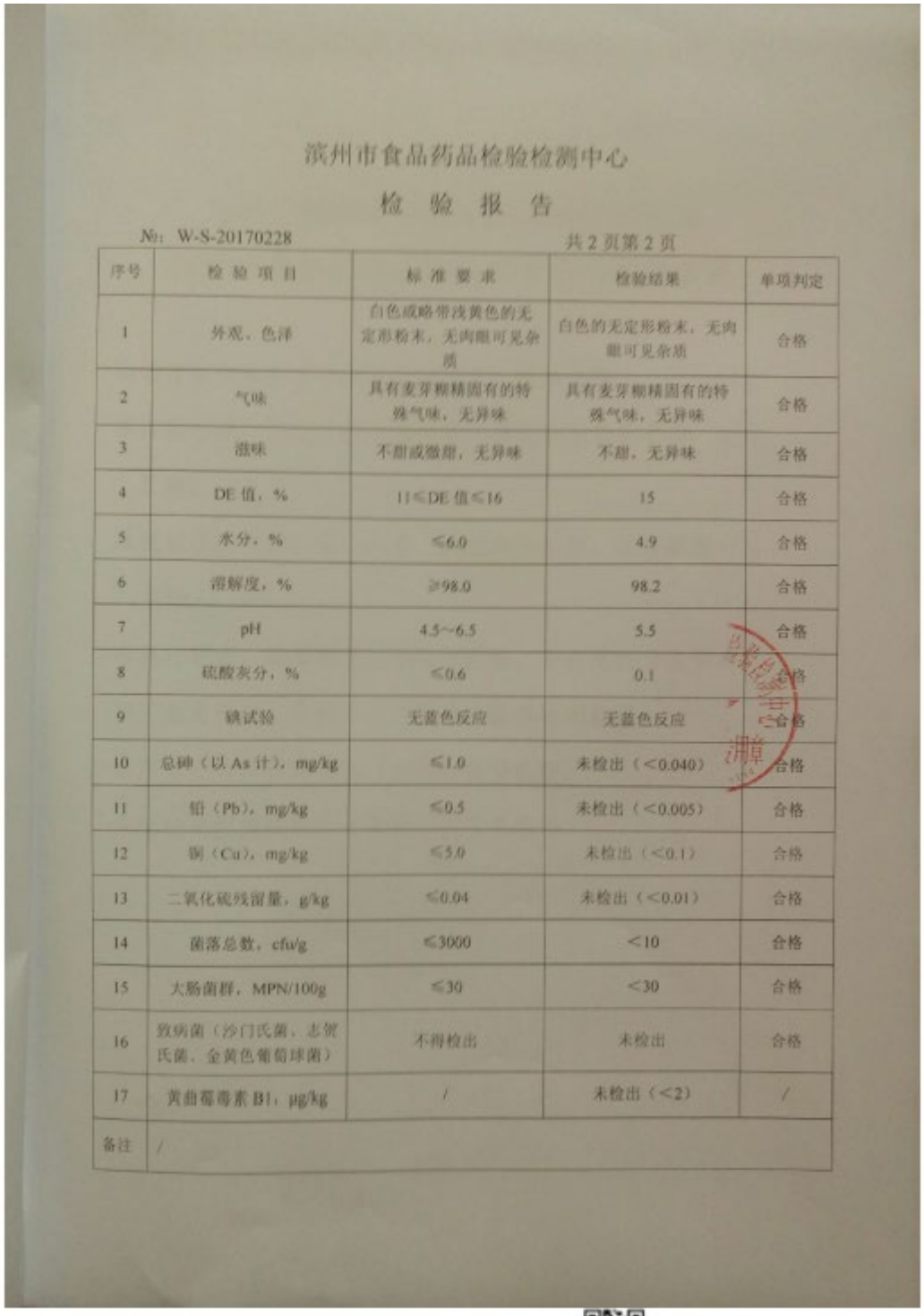
№: W-S-20170228 共 2 页第 1 页

样品名称	麦芽糊精	规格型号	500g/袋
委托单位	山东西王糖业有限公司	注册商标	/
生产单位	山东西王糖业有限公司	检验类别	委托检验
抽样地点	/	样品等级	/
送样数量	500g/袋（2 袋）	送样人员	贺明钊
抽样基数	/	送样日期	2017-03-21
样品形态	固体粉末完好	生产日期或批号	2017-03-16
检验要求	外观、气味、滋味、色泽、溶解度、DE 值、pH 等		
检验依据	GB/T 20884-2007		
检验结论	该样品经检验，所检项目合格。 签发日期：2017 年 4 月 6 日（章）		
备 注	1.本报告未加盖检验专用章、批准人未签章无效。 2.本报告涂改或复印件未另盖检验报告专用章（红字）无效。		

批准： 审核： 主检：

2017-04-06 2017-04-06 2017-04-06

由 扫描全能王 扫描创建



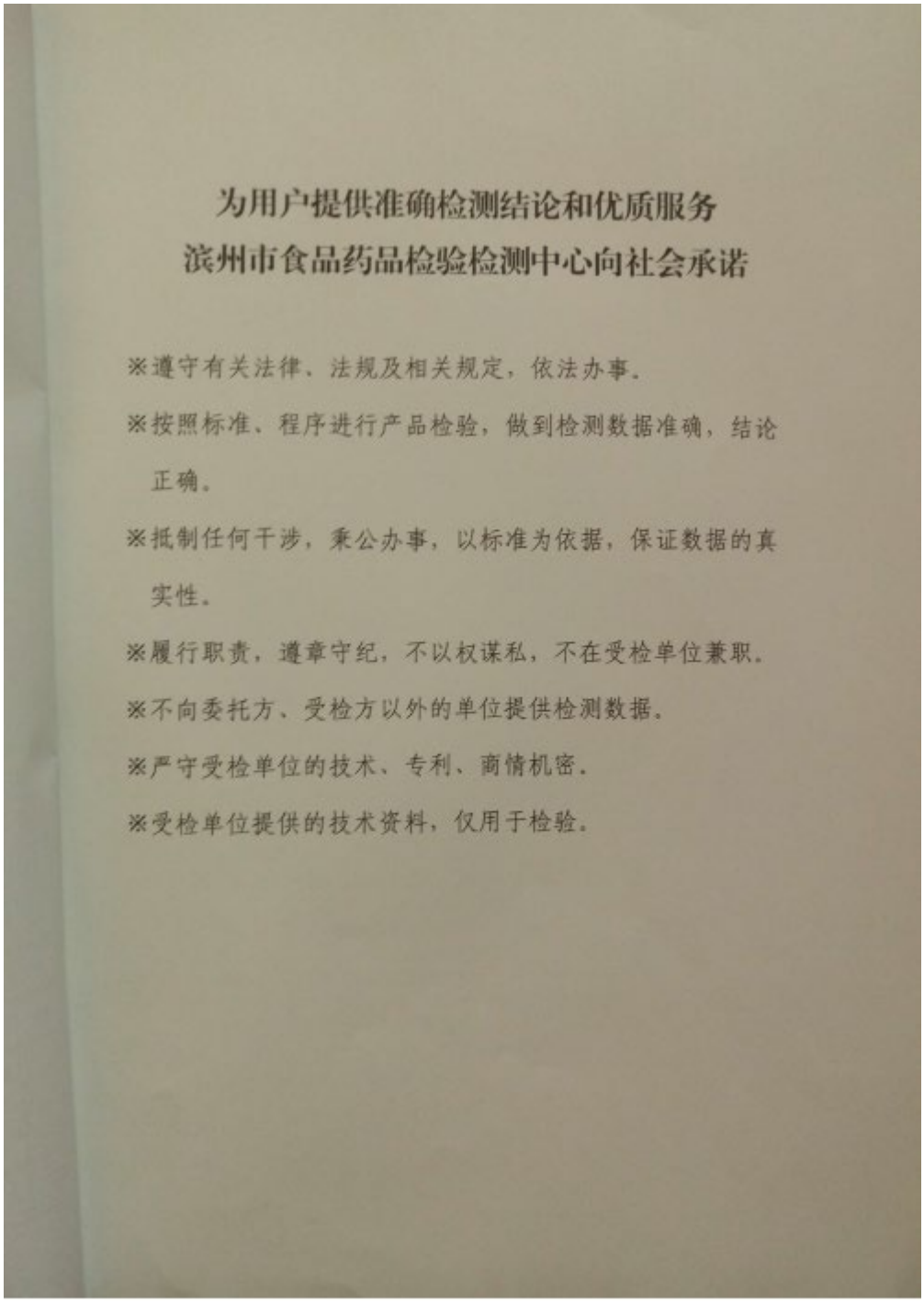
滨州市食品药品检验检测中心

检 验 报 告

№: W-S-20170228 共 2 页第 2 页

序号	检 验 项 目	标 准 要 求	检验结果	单项判定
1	外观，色泽	白色或略带浅黄色的无定形粉末，无肉眼可见杂质	白色的无定形粉末，无肉眼可见杂质	合格
2	气味	具有麦芽糊精固有的特殊气味，无异味	具有麦芽糊精固有的特殊气味，无异味	合格
3	滋味	不甜或微甜，无异味	不甜，无异味	合格
4	DE 值，%	11≤DE 值≤16	15	合格
5	水分，%	≤6.0	4.9	合格
6	溶解度，%	≥98.0	98.2	合格
7	pH	4.5~6.5	5.5	合格
8	硫酸灰分，%	≤0.6	0.1	合格
9	碘试验	无蓝色反应	无蓝色反应	合格
10	总砷（以 As 计），mg/kg	≤1.0	未检出（<0.040）	合格
11	铅（Pb），mg/kg	≤0.5	未检出（<0.005）	合格
12	铜（Cu），mg/kg	≤5.0	未检出（<0.1）	合格
13	二氧化硫残留量，g/kg	≤0.04	未检出（<0.01）	合格
14	菌落总数，cfu/g	≤3000	<10	合格
15	大肠菌群，MPN/100g	≤30	<30	合格
16	致病菌（沙门氏菌，志贺氏菌，金黄色葡萄球菌）	不得检出	未检出	合格
17	黄曲霉毒素 B1，μg/kg	/	未检出（<2）	/
备注	/			

由 扫描全能王 扫描创建



为用户提供准确检测结论和优质服务
滨州市食品药品检验检测中心向社会承诺

※遵守有关法律、法规及相关规定，依法办事。

※按照标准、程序进行产品检验，做到检测数据准确，结论正确。

※抵制任何干涉，秉公办事，以标准为依据，保证数据的真实性。

※履行职责，遵章守纪，不以权谋私，不在受检单位兼职。

※不向委托方、受检方以外的单位提供检测数据。

※严守受检单位的技术、专利、商情机密。

※受检单位提供的技术资料，仅用于检验。

COA Of Maltodextrin

Page 1,

No: W-S-20170228

Product: Maltodextrin

Size: 500g/bag

Entrust Agency: Shandong Xiwang Tangye Co.,Ltd.

Kind of Test: Entrust test

Bingzhou Food and Drug Testing Center

Page 2,

Fore Words

- The report is not made valid without the test seals or official seals.
- The report is not made valid without signatures of Reporter, Checker and Approver.
- The report copies are not made valid with the test seal or official seals.
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Page 3,

Binzhou Food and Drug Test Center

Test Report

No: W-S-20170228

Sample Name	Maltodextrin	Size	500g/bag
Client	Shandong Xiwang Tangye Co.,Ltd.	Trade Mark	/
MFR	Shandong Xiwang Tangye Co.,Ltd.	Kind of Test	Entrusted test
Place of sampling	/	Grade of sample	/
Quantity of sample	500g/bag (2 bags)	Person delivered	He Mingzhao
Sampling Basic Number	/	Date of Sampling	Mar. 21, 2017
Appearance of sample	Solid powder	Production Date	Mar. 16, 2017
Test Requirements	Appearance, Oder, taste, color, Solubility, DE value, pH		
Testing Standard	GB/T 20884-2007		
Test Result	The sample was tested, the all test items passed Stamp: Binzhou Food and Drug Test Center April 6, 2017		
Remark	1, The report is invalid without the stamps of testing stamp and Approver. 2, The report is invalid if altered, or Copies without test report (red) stamples.		

Approver: Bu Checker: Sun Shengsong Tester: Zhao Zhiqiang

Page 4:

Binzhou Food and Drug Testing Center

Test Report

No: W-S-20170228

No

Sequence	Test Items	Testing Standard	Test Result	Item Conclusion
1,	Appearance	While or light yellow amorphous powder, no visible impurities	White amorphous powder, ni visible impurities	Pass
2	Odor	Characterized maltodextrin smell, without off-notes	Characterized maltodextrine smell, without off-notes	Pass
3	Taste	No sweetness or slight sweet	No sweetness, no off-note	Pass
4	DE Value, %	11≤DE Value≤16	15	Pass
5	Moisture %	≤6	4.9	Pass
6	Solubility	≥98	98.2	Pass
7	pH	4.6~6.5	5.5	Pass
8	Sulphated Ashes	≤0.6	0.1	Pass
9	Iodine test	No blue sediment	No blue sediment	Pass
10	As mg/kg	≤1.0	ND(≤0.040)	Pass
11	Pb mg/kg	≤0.5	ND(≤0.005)	Pass
12	Cu mg/kg	≤5.0	ND(≤0.1)	Pass
13	Sulfur dioxide	≤0.04	ND(≤0.01)	Pass
14	Total plate count cfu/g	≤3000	≤10	Pass
15	Coliform MPN/100g	≤30	≤30	Pass
16	Pathogenic Bacterium (Salmonella, Shigella, Staphylococcus aureus)	Negative	ND	Pass
17	Aflatoxin B1, Ug/kg	/	ND (≤2)	/
Remark	/			

Page 4, Binzhou Testing Center promises to provide accurate test results and premium service for users.

Appendix 1.7 α-Amylase

AMANO

Product Specification

Date: December 16 , 2015

To: To whom it may concern

Address:2-7,1-chome,Nishiki,Naka-ku,Nagoya,Aichi 460-8630 JAPAN
Amano Enzyme Inc.
TEL: +81.(0)52.211.3032 FAX: +81.(0)52.211.3054

Product:	α-Amylase G"Amano"L	Product code: 9720
Description:	Liquid amylase from *Geobacillus stearothermophilus*	

Specification:

Test Items	Specification	Assay method
pH	6.0～9.0	The method of Glass Electrode
Arsenic (as As_2O_3)	Not more than 3 μg/mL	Food Sanitation Law method
Lead(Pb)	Not more than 5 μg/mL	Food Sanitation Law method
Alpha-amylase activity	Not less than 50 BAU/mL	FCC method,pH 6.6
CGTase activity	Not less than 400 u/mL	Amano BV method ,pH 5.5
Total viable aerobic count	Not more than 10000 CFU/mL	SCD agar plate method
Coliforms	Not more than 30 /mL	FDA Bacteriological Analytical Manual
Escherichia coli	Negative /25mL	FDA Bacteriological Analytical Manual
Salmonella	Negative /25mL	FDA Bacteriological Analytical Manual

Notes	
Expiration (Storage)	12 months below 10℃ from manufacturing date under the sealed condition.
Packing	20L Polyethylene container
Handling	Store container in a cool and dry place. For Safety: Avoid formation of dust. Avoid splashing and high-pressure washing. Ensure good ventilation of the room, when handling this preparation

Hiroshi Shibakawa
General Manager, Quality Assurance

CERTIFICATE OF ANALYSIS

No. 000261175

Date Jul.30,2018

Messrs.

Product: α－Amylase G "Amano" L

Lot No.: CGTQ0752002SLK Quantity: 100 L Date Assayed: Jul.23,2018

Test Items	Specification	Test Results
pH:	6.0 ～ 9.0	7.5
Arsenic:	Not more than 3.0 mg/kg	Not more than 3.0 mg/kg
Lead:	Not more than 5.0 mg/kg	Not more than 5.0 mg/kg
α－Amylase activity: FCC Method pH6.6	Not less than 50 DAU/mL	140 DAU/mL
C. G. Tase activity: Blue Value Method pH5.5	Not less than 400 U/mL	452 U/mL
Total viable aerobic count:	Not more than 10,000 CFU/g	Not more than 10,000 CFU/g
Coliforms:	Not more than 30 CFU/g	Not more than 30 CFU/g
Escherichia coli:	Less than 10 CFU/g	Less than 10 CFU/g
Salmonella:	Negative/25mL	Negative/25mL
Antibiotic activity:	Negative	Negative
	Judgment	Pass

Remark:
Date Manufactured: Jul.20,2018 Best before: 2019.7.19

Quality Control Manager [redacted] Prepared by [redacted]

AMANO Amano Enzyme Inc.

Head Office
2-7, 1-chome, Nishiki, Naka-ku, Nagoya, Aichi 460-8630 JAPAN
Tel: +81. (0)52. 211. 3032 Fax: +81. (0)52. 211. 3054
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Tel: +81. (0)748. 75. 1194 Fax: +81. (0)748. 75. 0312

Appendix 1.8 Ethanol

曲阜圣仁制药有限公司食用酒精规格单

名称		食用酒精
成份		乙醇
生产方法		发酵、蒸馏
物理	外观：	无色澄明液体，气味无异臭，口味较纯净，可溶于水，醚，氯仿，沸点是 78°，易燃。
化学特性	含量	乙醇的体积(重量)不超过 94.9% (92.3%)
	甲醇/（mg/L）	无紫色物质出现
	水溶性	无薄雾或浑浊物出现
	硫酸变黑的物质	混合物无色或无样品混合前或酸的其他颜色
	减少高锰酸盐的物质	粉色不完全消失
	醛，异丙醇	3 分钟内无沉淀物形成
	酸（以乙酸计）	≤0.003%
	碱(以氨计)	≤3mg/kg
	杂醇油	酒精挥发完后，无任何异味
	不挥发物残留	≤0.003%
	重金属（以 pb 计）	≤1mg/kg
标准	按照 FCC 标准检测	
包装方式	灌装	
保存方式	常温不锈钢罐单独贮存，不得与有毒、有害、有异味的物品同库贮存。	
保质期	无具体要求	
运输方式	罐车运输，工具应清洁卫生、无污染	
使用前的处理	直接使用	

注：检测方法见附单

食用酒精规格单附单：

Ethyl Alcohol 乙醇

Ethyl Alcohol 乙醇

描述

乙醇以清澈，无色，流动液体的形式存在。可溶于水，醚，和氯仿。沸点是 78°，易燃。在 20° 时的折射率是 1.364.

此专论只适用于未变质的乙醇。

作用：萃取剂，载体溶剂。

包装和储存：存储于密闭容器，远离火。

ASSAY 含量

- 比重：视可靠的方法而定
  验收准则：NMT 0.8096 在 25°/25° (等同于 0.8161 在 15.56°/15.56°)，按体积等同于乙醇的 NLT94.9%（按重量 92.3%）

杂质

无机杂质

铅，铅极限测试，原子吸收分光光度法石墨炉法，方法 I, 附录 IIIB

10g 样品

验收标准： NMT 0.5 mg/kg

有机杂质

- 杂醇油

  样品： 10 mL

  验定方法：将样品于 1ml 的甘油和 1ml 的水混合，允许从一份干净、无味、吸水的纸上蒸发。

  验收标准：当最后的酒精痕迹离开纸时，察觉不到任何异味。

- 酮类，异丙醇

  1ml 样品

  验定方法：将样品，3ml 的水，10ml 的硫酸汞传送到试管中，混合，用沸水浴加热。

  验收标准：3 分钟内没有沉淀物形成

- 甲醇

  验定：将一滴样品滴入试管，加入 1 滴 1:20 的磷酸和 1 滴 50mg/ml 的高锰酸钾溶液，混合，允许直立一分钟，一滴一滴的加 100mg/ml 的亚硫酸氢钠溶液直到高锰酸盐的颜色消失。如果仍有棕色，加一滴磷酸溶液。在无色溶液中加入 5ml 新鲜配制的铬变酸，并在 60° 水中加热 10 分钟。

  验收标准：没有紫色出现。

- 通过硫酸变黑的物质

10ml 样品

验定：将 10ml 硫酸放入小型锥形烧瓶，冷却至 10 度，并连续搅动，逐滴加入样品。

验收标准：混合物无色或者无样品混合前或酸的其他颜色。

- 降低高锰酸钾的物质

20 mL 样品

验定：样品在放入玻璃塞圆柱体前先在 15° 的环境下冷却，加入 0.1ml 的 0.1N 的高锰酸钾，混合，并直立 5 分钟。

验收标准：粉色并不完全消失。

- 酸性（酸度）

验定方法：将 10ml 样品放入装有 25ml 水的玻璃塞烧瓶中，加 0.5ml 的酚酞 TS，再加 0.02N 的氢氧化钠，使其在第一次出现粉红色后，在摇动 30 秒后仍然存在，再加入 25ml 的样品混合，用 0.02N 的氢氧化钠滴定，直到粉色复原。

验收标准：为了恢复粉红色，需要 0.5 mL 的 0.02 N 氢氧化钠。(NMT 0.003%)

- 碱度

25 mL 样品

实验方法： 加 2 滴甲基红 TS 到 25ml 的水中，并加入 0.02N 的硫酸直到红色刚好出现时，加入样品混合

验收标准：为了恢复红色，需要不超过 0.2ml 的 0.02N 的硫酸(NMT 3 mg/kg)

- 非挥发性残留

) 125ml（大约 100g）样品

分析：在蒸汽浴中，将样品蒸干，使其干燥，在 105 度的时候将残留物干燥 30 分钟，冷却，称重。

验收标准 NMT 0.003%

- 水溶性

验定方法：将 50ml 的样品放入 100ml 的玻璃塞量筒中，用水稀释至 100ml 并混匀，将量筒放在 10 度恒温的水浴中，并直立 30 分钟。

验收标准：无薄雾或浑浊物。

9/19/18, 8:46 PM

Qufu Shengren Pharmaceutical Co.,Ltd.

Food Grade Ethanol Specification

Product name:	Ethanol 95%	
Ingredient	Ethyl Alcohol	
Method of Production	Fermentation, Distillation	
Physical characteristic	Appearance:	A clear, colorless, mobile liquid, It is miscible with water, with ether, and with chloroform. It boils at about 78° and is flammable.
Chemical characteristic	Assay	Not less than 94.9% by volume(92.3% by C2H6O)
	Methanol	No violet color appears
	Solubility in water	No haze or turbdity develops
	Substances darkened by sulfuric acid	Mixture is colorness or has no more color than either the acid or the sample before mixing
	Substances reducing permanganate	The pink color does not entirely disappear
	Ketones,Isopropyl alcohol	No precipitate forms within 3mins
	Acidity(as acetic acid)	≤0.003%
	Alkalinity(as NH3)	≤3mg/kg
	Fusel oil	No foreign odor when last traces of alcohol leave paper
	Nonvolatile residue	≤0.003%
	Heavy metals(as Pb)	≤1mg/kg
Standard	Inspection according to FCC standand	
Packing	Canned	
Storage	Stored seperately in stainless steel tanks at normal temperature,and shall not be stored in the same warehouse with poisonous, harmful and peculiar smell articles.	
Expiration date	Not requirement	
Mode of transprot	Tank truck transport, tools should be clean and sanitary, pollution-free	
Handle before using	Use directly	

Inspection method see next pages

Ethyl Alcohol

Published in: FCC 10 3S | FCC 11 | FCC 11 1S
First Published: Prior to FCC 6

Alcohol

Ethanol

C_2H_6O
Formula wt 46.07
CAS: [64-17-5]
UNII: 3K9958V90M [alcohol]

DESCRIPTION

Ethyl Alcohol occurs as a clear, colorless, mobile liquid. It is miscible with water, with ether, and with chloroform. It boils at about 78° and is flammable. Its refractive index at 20° is about 1.364.

[NOTE—This monograph applies only to undenatured ethyl alcohol.]

Function: Extraction solvent; carrier solvent

Packaging and Storage: Store in tight containers, remote from fire.

ASSAY

- **SPECIFIC GRAVITY:** Determine by any reliable method (see *General Provisions*).

  Acceptance criteria: NMT 0.8096 at 25°/25° (equivalent to 0.8161 at 15.56°/15.56°), and equivalent to NLT 94.9% by volume (92.3% by weight) of C_2H_6O

IMPURITIES

Inorganic Impurities

- **LEAD,** ***Lead Limit Test, Atomic Absorption Spectrophotometric Graphite Furnace Method, Method I, Appendix IIIB***

  Sample: 10 g

  Acceptance criteria: NMT 0.5 mg/kg

Organic Impurities

- **FUSEL OIL**

  Sample : 10 mL

  Analysis: Mix the *Sample* with 1 mL of glycerin and 1 mL of water, and allow to evaporate from a piece of clean, odorless, absorbent paper.

  Acceptance criteria: No foreign odor is perceptible when the last traces of alcohol leave the paper.

- **KETONES, ISOPROPYL ALCOHOL**

  Sample: 1 mL

  Analysis: Transfer the *Sample*, 3 mL of water, and 10 mL of *mercuric sulfate TS* to a test tube; mix; and heat in a boiling water bath.

  Acceptance criteria: No precipitate forms within 3 min.

- **METHANOL**

  Analysis: To 1 drop of sample in a test tube, add 1 drop of 1:20 phosphoric acid and 1 drop of 50 mg/mL potassium permanganate solution, mix, and allow to stand for 1 min. Add, dropwise, 100 mg/mL sodium bisulfite solution until the permanganate color disappears. If a brown color remains, add 1 drop of the phosphoric acid solution. Add 5 mL of freshly prepared *chromotropic acid* TS to the colorless solution, and heat it in a water bath at 60° for 10 min.

  Acceptance criteria: No violet color appears.

- **SUBSTANCES DARKENED BY SULFURIC ACID**

  Sample: 10 mL

  Analysis: Transfer 10 mL of sulfuric acid into a small Erlenmeyer flask, cool to 10° and, with constant agitation, add the *Sample*, dropwise.

  Acceptance criteria: The mixture is colorless or has no more color than either the acid or the sample before mixing.

- **SUBSTANCES REDUCING PERMANGANATE**

  Sample: 20 mL

  Analysis: Transfer the *Sample*, previously cooled to 15°, to a glass-stoppered cylinder, add 0.1 mL of 0.1 N potassium permanganate, mix, and allow to stand for 5 min.

  Acceptance criteria: The pink color does not entirely disappear.

SPECIFIC TESTS

- **ACIDITY (AS ACETIC ACID)**

  Analysis: Transfer 10 mL of sample to a glass-stoppered flask containing 25 mL of water, add 0.5 mL of phenolphthalein TS, and then add 0.02 N sodium hydroxide to the first appearance of a pink color that persists after shaking for 30 s. Add an additional 25 mL of sample, mix, and titrate with 0.02 N sodium hydroxide until the pink color is restored.

  Acceptance criteria: NMT 0.5 mL of 0.02 N sodium hydroxide is required to restore the pink color. (NMT 0.003%)

- **ALKALINITY (AS NH_3)**

  Sample: 25 mL

  Analysis: Add 2 drops of *methyl red TS* to 25 mL of water, add 0.02 N sulfuric acid until a red color just appears, then add the *Sample*, and mix.

  Acceptance criteria: NMT 0.2 mL of 0.02 N sulfuric acid is required to restore the red color. (NMT 3 mg/kg)

  NONVOLATILE RESIDUE

  Sample: 125 mL (about 100 g) 125ml

  Analysis: Evaporate the *Sample* to dryness in a tared dish on a steam bath, dry the residue at 105° for 30 min, cool, and weigh.

  Acceptance criteria:NMT 0.003%

- **SOLUBILITY IN WATER**

  Analysis: Transfer 50 mL of sample to a 100-mL glass-stoppered graduated cylinder, dilute to 100 mL with water, and mix. Place the graduated cylinder, in a water bath maintained at 10°, and allow it to stand for 30 min.

  Acceptance criteria: No haze or turbidity develops.

9/19/18, 8:46 PM

Appendix 2 Analytical Method

【Issued by】 National Health and Family Planning Commission (P.R.China)
【File Number】 Number 8th, 2016
【Date Issued】June 15, 2016
【Effective Date】
【Effectibe】
【Remark】

10, Glucosyl Steviol Glycosides
English Name: Gluosyl Glycosides
Function Category: food flavoring
(1) The dosage and the scope of use

Food flavor was prepared for all kinds of food (GB2760-2014 table B.1 food category excepted), dosage is allowed according to production needs.

(2) Specification requirements

1, scope

The specification requirements apply to the glucosyl steviol glycosides, the food additive which uses stevia leaves as raw material, and the stevia extract from the leaves get glycosyled ,by enzyme, then concentrated by evaporation and dry spray out.

2. Technical requirements

2.1, Sensory requirements. Must meet the requirements of table 1.

Table 1, Sensory requirements

Items	Standard	Method
Color	White or light yellow color	Take some appropriate sample in a clean, dry glass, observe the color and status under natural light
appearance	Powder	

2.2 Physico-chemical index should conform to the requirements of table 2.

Table 2, Physical and Chemical index

Item	standard	Testing Method
Glucosyl Steviol Glycosides（GSG）,*w/%* ≥	75.0	Appendix A A3
Reb-A+Stevioside，*w/%* ≤	6.0	
Reb-A，*w/%* ≤	4.0	
Stevioside,*w/%* ≤	4.0	
Maltodextrin,*w/%* ≤	20.0	
Rotation	+65°~ +75°	GB/T 14454.5
Relative density	0.2~0.6	GB/T 11540
pH	4.5~7.0	GB/T 9724

Appendix A

Test method

A. 1 General provisions

Reagents and water used in the specifications, if there is no special requirements, indicate analytical reagent and the level 3 water stipulated in GB/T6682, the solutions in this experiment refers to water solution when the solution is not indicated.

A.2 Test

White or light yellow powder, soluble in water, slightly soluble in ethanol.

A.3 principle

To determination of the ratio of total content of total steviol glycosides (TSG), residual maltodextrin (RD), unreacted steviosides and glucosyled steviol glycosides by absorption chromatography and high performance liquid chromatographic method.

A.3.2 Range

It applies the mixer including α-1，4-glucosyl steviol glycosides（GSG）and steviol glycosides content ranged in 60-102% solid sample on dry basis.

A.3.3 Equipment and reagents

A.3.3.1 High performance liquid chromatography（HPLC）; Equipment should be equipped with dual pump, automatic sampler, column temperature box and DAD detector, interface and data acquisition software.

A.3.3.2 HPLC amino column, 4.6mm x 250mm, 5μm particle;

A.3.3.3 Accuracy of 0.0001 g analytical balance;

A.3.3.4 Karl-Fischer coulomb titrimeter;

A.3.3.5 Laboratory vacuum rotary evaporator;

A.3.3.6 Vacuum oven;

A.3.3.7 Moisture meter;

A.3.3.8 Vacuum solvent filtration system,all glass.

A.3.3.9 Vacuum filter system: Polypropylene material, 0.2μm，47mm；

A.3.3.10 Class A volumetric flask and a pipette;

A.3.3.11 A glass column filled up with 200ml of macroporous adsorption resin (Inside diameter, 25mm);

A.3.3.12 Acetonitrile, HPLC level;

A.3.3.13 Water, HPLC level

A.3.3.14 Ethanol, reagent grade, system device,or other equivalents;

A.3.3.15 Reb-A standard sample;

A.3.3.16 Stevioside standard sample;

A.3.3.17 Reb-C standard sample;

A.3.3.18 Reb-F standard substance;

A.3.3.19 Dulcoside A standard substance;

A.3.3.20 Rubusoside standard substance;

A.3.3.21 Ammonium acetate, reagent grade;

A.3.3.22 Glacial acetic acid, reagent grade.

A.3.4 Safety precautions

A.3.4.1 When handle materials, clean up spilled liquid and waste, you should always follow the hazardous chemical materials safety measures and emergency treatment principle.

A.3.4.2 For the chemicals used in the above steps, shall comply with the material safety data sheets listed in the all precautions and risk considerations.

A.3.4.3 Stevia glycoside usually in the form of powder, in the process of jitter, feeding and stirring, easy to produce dust, may be inhaled into the man's mouth and nose to produce discomfort, therefore need careful operation to avoid dust.

3.5 Procedure

A.3.5.1 TSG

Test solution，weight about 5g GSG accurately, dissolve in 250 ml water. With the rate of less than 15 ml/min, add the solution to a glass column containing 200 ml macroporous resin, then flush resin with 1000 ml water. At a rate of about 15 ml/min or less, use ethanol of 1000 ml 50 % (volume) to elute down the steviol glycosides adsorpted. Then evaporate the collected ethanol elution and washing liquid seperately and dry, then put them into vaccum oven for 2 hours at temperature 105 ℃. The dry weight of each components must be weighted recorded, calculate the content (%) of TSG and RD through the formula below.

TSG's mass fraction w_1 calculate by the formula（A.1），The mass fraction of RD's content w_2 calculate by（A.2）：

$$w_1 = \frac{m_1}{m_2 \times (100 - w_h) \times 10^{-2}} \times 100\% \quad \text{……（A.1）}$$

In the formula：

m_1——The total content of ethanol components after dry, the unit is gram (g);

m_2——Wet weight of the original sample, the unit is gram(g);

w_h——Moisture content（%）;

$$w_2 = \frac{m_3}{m_2 \times (100 - w_h) \times 10^{-2}} \times 100\% \quad \text{.....（A.2）}$$

In the formula：

m_3——The total water components after dry, the unit is gram (g)

m_2——Wet weight of the original sample, the unit is gram (g)

w_h——Moisture content（%）;

Acceptance standard:

The sample recovery rate has to be between 98.0% and 102.0%, the sample recovery rate w_3 calculate by（A.3）:

$$w_3 = w_1 + w_2 \quad \text{.....（A.3）}$$

In the form：

w_1——The mass fraction of TSG's total content（%）;

w_2——The mass fraction of RD's content（%）;

The flushing liquid which stevia glycoside content less than 10 mg/L must be detected through HPLC.

A.3.5.2 the content of Unreacted stevia glycosides

Weight about 3g GSG, add it into buffer solution（A.3.6.1.2）to dissolve, to prepare a solution of 100ml, as the test solution. HPLC method for determination to determin the content of unreacted steviol glycosides (SG) according to the determination steps of HPLC for steviol glycosides （A.3.6.1 ）. The chromatogram of sample conforms to the sample chromatograms. To calculate the content of α-Glucosyl Steviol Glycosides through the total content of the following stevia glycoside（A.3.5.1）, the mass fraction of α-Glucosyl Steviol Glycosides' content Wa be calculated by:

$$w_\alpha = w_1 - w_4 \quad \text{.....（A.4）}$$

In the formula：

w_1——mass fraction of TSG（%）;

w_4——mass fraction of unreacted steviol glycosides（%）;

A.3.5.3 Percentage ofα-Glucosyl Steviol Glycosides

Weigh about 5g of GSG, dissolved in water to make 100ml preparation using it as the test solution.

HPLC analysis, to determine the area ratio of α-Glucosyl Steviol Glycosides according to determination steps（A.3.6.2）

To calculate the proportion of α-Glucosyl Steviol Glycosides, according to the content of α-Glucosyl Steviol Glycosides（A.3.5.2，the proportion of α-Glucosyl Steviol Glycosides W5 be calculated by the formula (A5)：

$$w_5 = w_\alpha \times A_1 \times 10^{-2} \quad \text{.....（A.5）}$$

in the formula：

w_α——mass fraction pf the content of α-Glucosyl Steviol Glycosides（%）;

A_1——area ratio of α-Glucosyl Steviol Glycosides;

A.3.6 HPLC analysis

A.3.6.1 HPLC analysis of steviol glycosides

A.3.6.1.1 the moisture balance of Standard sample and samples

Stevia glycoside is a hydrophilic compound. Standrand sample and test samples should meet same moisture balance before analysis. The standard sample and test sample should be put in the same room with the analytical balance, and exposured in the air for not less than 24 hrs before weighting, stir the powder intermittently to ensure uniform moisture. At the time of weighing, should use Karl fischer coulomb titration instrument to measure the moisture value of of all standard samples while weighting. Moisture value of the sample should be tested under the temperature of 105 ℃ by drying weight-loss method. Also can use other moisture meter, set the temperature at 105 ℃.

A.3.6.1.2 Preparation of Mobile phase solution

Prepare appropriate mobile phase solution volume according to the necessity.

Aqueous buffer（0.0125％acetic acid、0.0125％Ammonium acetate）——The buffer is prepared by dissolving 0.125 g ammonium acetate (NH4OAc) in 1 L water and 125 µL glacial acetic acid (acetic acid) .

Mobile phase (Acetonitrile: buffer) ——Mix the acetonitrile and the buffer to prepare the mobile solution (% volumn) of acetonitrile and aqueous buffer ratio to 80:20. Prepare a solution mixing acetonitrile and aqueous buffer with a propriate amount, and wait to the room temperature and degassing the solution.

diluent（100％buffer solution）——filter 1000 mL aqueous buffer, and use it immediately.

A.3.6.1.3 Prepare standard solution

Reb-A standard curve——Reb-A curve is constituted by the five concentrations points between 200mg/L～2000mg/L. weight Reb-A (moisture balanced)samples 5 mg、10 mg、25 mg、40 mg and 50mg（±2mg）seperately, use the diluent to dissolve them individually into 25 mL volumetric flask and sizing.

Stevioside standard curve——Stevioside calibration curve is constituted by 7 points distributed in 2.5mg/L、5mg/L、50mg/L、100mg/L、500mg/L、1000mg/L and 2000mg/L. prepare stevioside standard stock solution similar with standard counter sample similar with Reb - A standard reference material. Dilute to the required concentration.

Steviol glycosides——retention time tag solution (M6), including the following steviol glycosides approximately 100 mg/L each (Prepared with the diluent): rubusoside、dulcoside A、Stevioside、Reb-C、Reb-F and Reb-A。

Prepare samples——Prepare sample solution according to section A.3.5.1 and section A.3.5.2 section steps.

A.3.6.1.4 Instrument conditions are shown in table A.1

ChartA.1 Instruments working conditions

chromatographic column	NH2 column，250 x 4.6 mm，5µm
temperature	30°C
Isocratic mobile phase	20％ buffer solution、80％ acetonitrile
flow velocity	1.5 mL/min
sample size	12 µL
determine wavelength	UV210 nm（4 nm bw），reference： 260 nm （100 nm bw）
run time	60 min
Automatic injector temperature	room temperature

A.3.6.1.5 analytical procedure

A.3.6.1.5.1 System startup/applicability

Detector sensitivity tests: Inject sample 2.5 mg/L stevioside standard solution,comfirm that stevioside peak than noise ≥3 ; If not, need to check in the device, comfirm that stevioside peak and signal to noise ration of noise≥3 , then go to the next step.

Tailing factor: Inject Reb-A 2000mg/L standard sample solution, and use the peak to calculate the tailing factor –T, tailing factor 0.8≤T≤2.

SNR(Signal to Noise Ratio):Calculate SNR of the stevioside standard solution, LOD (limit of detection) is 5 mg/L stevioside standard solution: the standard solution's SNR must be ≥10. LOD(limit of detection) is 2.5 mg/L stevioside standard solution: the standard solution's SNR must be ≥3.

Separate the steviol glycosides: inject M6 sample standard solution, Stevioside and Reb-C's peaks should be separated obviously. Record retention time of each steviol glycosides. （A.3.8.1 ）.

A.3.6.1.5.2 Analytical sequence

After the examination of the system suitability, according to the principles of concentration from low to high to inject all the rest of the standard sample solution in turn. Then, inject samples; after smaple injections at most 12 times and sample analytical sequences, inject standard solution 2000m/l of stevioside and Reb-A to back up and calibrate.

A.3.6.1.5.3 integral parameter

Using liquid chromatography analyzer software tools to get integral parameter.

A.3.6.1.6 Calculation

A.3.6.1.6.1 Relative standard deviation of peak area

Relative standard deviation of peak area r_1 calculated by （A.6）:

$$r_1 = \frac{s_1}{x} \times 100\% \qquad \text{.....（A.6）}$$

In the form：

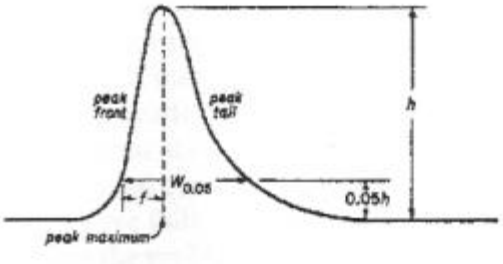
s_1——standard values of deviation= （（Σ（x-x）^{2}）/（N-1））$^{1/2}$;

x——average value= （$x_1 + x_2 + x_3 + x_n$）/N;

x_n——peak area；

N——The sample total quantity。

A.3.6.1.6.2 tailing factor（T）



Tailing factor T calculated by（A.7）：

$$T = \frac{W_{0.05}}{2f} \qquad \text{.....（A.7）}$$

In the form：

$W_{0.05}$——5% height's peak width；

f——the numerical distance from max peak to peak front on the x axis, and measure it based on the peak baseline of above 5%.

A.3.6.1.6.3 The standard recovery

The standard recovery p calculated by（A.8）

$$p = \frac{c_1}{c_2} \times 100\% \qquad \text{.....（A.8）}$$

In the form：

c_1——The calculated value of concentration of the curve;

c_2——theoretical concentration

A.3.6.1.6.4 analytical calculation

To determine the target analyte through the matching retention time of M6 standard solution

Measure the response peak area of target analytes in standard solution and sample solution.

Measure the system drifting of the Reb A standard sample. Measure the response peak area of Reb A under the consentration of 2000mg/L. And calculate the relative standard deviation. Relative standard deviation meets the requirement : ≤2.0%.

Use the concentration(Unit:mg/L) of Reb A or stevioside as the ordinate and corresponding response area as abscissa to draw the fully fitted linear regression standard curve. Or using data mining software to map calibration curve.

From the linear regression equation of standard curve to calculate the concentration of analyte in the sample (unit:mg/L) (Reb A adopts the Reb A curve, all other analytes using Stevioside curve). Or use the data acquisition software to calculate (using the calibration curve draw by software) the concentration of the analytes. The concentration of the analyte Y be calculated according to formula (A. 9)

$$Y = AX + B \qquad \text{.....（A.9）}$$

In the form：
X——Peak response area;
A——slope；
B——y axial intercept。
To correct the concentration of the analytes in the samples, as shown below:

Use the concentration of each glycoside (Rubusoside, dulcosides A, Reb-C, Reb-F) to multiply the glycosidic corrective factor, to adjust the differences of the molecular weights from that of Stevioside (see table A. 2)

Stevia glycoside formula is as follows:

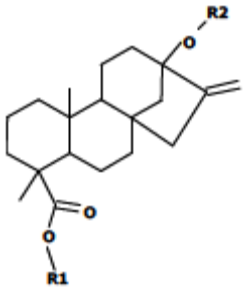


Chart A.2 R1 and R2 group of steviol glycosides，
The formula and its corresponding molecular weight

Name	abbreviation	R1	R2	Moore weight （g/mol）	correction factor
Dulcoside A	Dul A	βglc-	αrha-βglc-	788.88	0.98
Reb-A	Reb A	βglc-	（βglc）2-βglc-	967.03	-
Reb-C	Reb C	βglc-	（βglc， αrha）-βglc-	951.02	1.18
Reb-F	Reb F	βglc-	（βglc， βxyl）-βglc-	936.99	1.16
Rubusoside	Rub	βglc-βglc-	βglc-βglc-	642.73	0.80
Stevioside	Stev	βglc-	βglc-βglc-	804.88	-

The weight precentage w of Reb A and other glycosides of the sample be calculated by （A.10）:

$$w = c_3 / c_4 \times 100 \quad \text{.....（A.10）}$$

In the formula：
c_3——analyte concentration, mg/L；
c_4——Sample Concentration， mg/L。

Through the following factor (F) multiplied by W (weight percentage) to correct the weight percentage of Reb A and all other glycosides (besides moisture), the correction factor F be calculated by (A. 11) :

$$F = 100/(100 - M) \quad \text{.....（A.11）}$$

In the formula：
M——The sample moisture，%。
the weight percentage w_{SG} of Stevia glycoside (SG) in the sample be calculated by (A. 12)

$$w_{SG} = w_{Rub} + w_{DulA} + w_{RebC} + w_{RebF} + w_{Stev} + w_{RebA} \quad \text{.....（A.12）}$$

In the formula：
w_{DulA}——DulA weight percentage in the sample， （%）；
$w_{Reb\,C}$——Reb C weight percentage in the sample， （%）；
$w_{Reb\,F}$——Reb Fweight percentage in the sample， （%）；
w_{Stev}——Stev weight percentage in the sample， （%）；
$w_{Reb\,A}$——Reb Aweight percentage in the sample， （%）.

A.3.6.1.7 Acceptance standard
A.3.6.1.7.1 Standard curve of the acceptance criteria

The standard curve of Reb-A——for all different concentration level of Reb-A used in calibration curve, the standard recovery rate must be 100 ± 3 %, the acceptance criteria of the correlation coefficient of standard curve should be ≥ 0.9900.

Stevioside standard curve - for all different concentrations levels of Stevioside used in the calibration curve, its standard recovery rate must be within 100.0 + / - 10%, besides the standard recovery rate must be within 100.0±20% at the lowest levels (2.5 mg/L). The acceptance criteria of the correlation coefficient of standard curve is 0.9900 or higher.

A.3.6.1.7.2 Sequence standard sample (the standard samples check) – the sequence standard recovery rate (see a. 3.6.1.6.3) of Stevioside and Reb A standard must be within 100.0± 2%。
A.3.6.1.7.3 Sample - the test results % of parallel sample SG and Reb - A , their relative standard deviation RSD should be should be no more than 50%, when their content is lower than 5mg/L (0.1% in content), and no shall not exceed 20% when the contest is greater than 5mg/L. When the relative standard deviation of sample % does not in the range, you need to make new samples, until the new sample pass through quality control check.

A.3.6.2 the gradient HPLC measurement step of glucosyl Steviol Glycosides
A.3.6.2.1 mobile phase (A-acetonitrile， B-water)
filtering and degassing acetonitrile and water
A.3.6.2.2 Diluent （100%water）
Filtering 1000mL of whater, and use it immediately.
A.3.6.2.3 Preparation of standard sample（M6）
Weigh approximately 100mg/L of the standard sample of Rubusoside, dulcoside A, stevioside, Reb-C, Reb-F and Reb-A each, to prepare mixed standard sample solution with diluent.
A.3.6.2.4 The sample preparation
According to method described in A.3.5.3 to prepare the sample solution (approximately 5%)

A.3.6.1.4 Working conditions of instrument are shown in table A3

ChartA.3 Instruments working conditions

chromatographic column	NH2 column，250 x 4.6 mm，5μm
temperature	30°C
Gradient mobile phase	A-acetonitrile,B-Water 0 min A：B-80：20 0～2 min A：B-80：20 2～70 min A：B-50：50
flow velocity	1.0 mL/min
sample size	10 μL
determine wavelength	UV210 nm（4 nm bw），reference： 260 nm （100 nm bw）
run time	70 min
Automatic injector temperature	room temperature

A.3.6.2.6 Analytical procedure
Stevia glycoside separation: Inject sample M6 solution. Stevioside and Reb - C should have a clear separation between the two peaks. Record the retention time of each stevia glycoside (A.3.8.2)
A.3.6.2.7 Analytical sequence
Inject samples first, then, after injection at most 12 samples and finish sample sequence test, then inject standard samples used for quantitative detection.
A.3.6.2.8 Integral parameter
To complete integral parameters by using the software tools with the liquid chromatography analyzer. The sample chromatograms (fig, 3) are attached in appendix part

A.3.6.2.9 Calculation

Comparing the elution profile with the sample chromatogram (fig A.2, fig A.3) to identify each a-Glucosyl Steviol Glycosides.

To integrate all the peak points (except unreacted glycosides). Using data acquisition software tool of the chromatograph analyzer to measure the proportion (% area) of each α-Glucosyl Steviol Glycosides.

Record proportions of each α-Glucosyl Steviol Glycosides.

A.3.7 Results report

The concentration of unreacted stevia glycoside and TSG should be carried out based on dry basis weight %. The proportion of a-Glucosyl Steviol Glycosides to be reported based on area %. The average value of these two repeated samples test results should be as the report value.

A.3.8 Accessory

A.3.8.1 M6 sample HPLC chromatogram

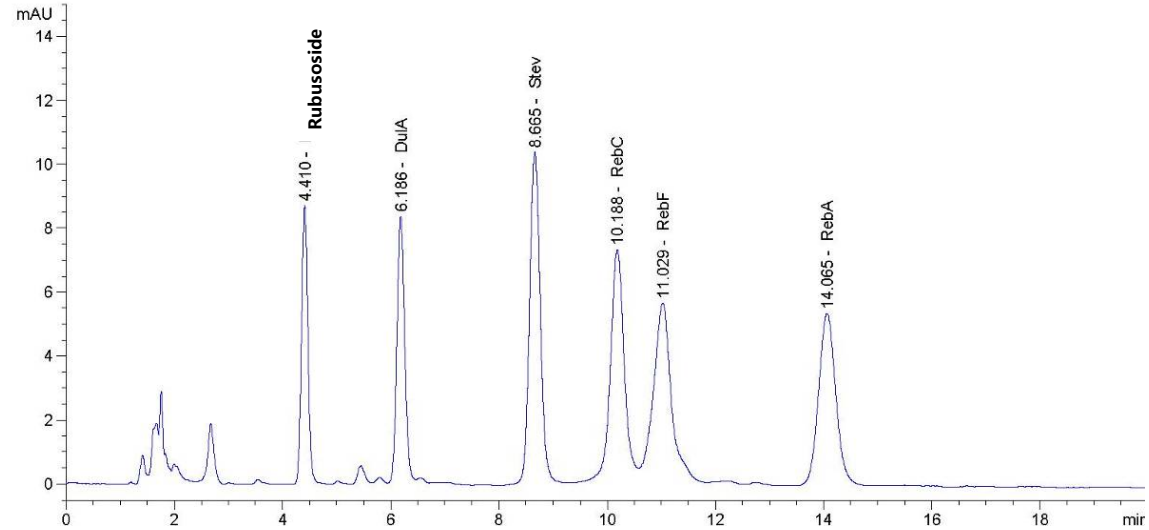


Chart A.1 M6 sample HPLC chromatogram

A.3.8.2 M6 sample HPLC chromatogram（Gradient）

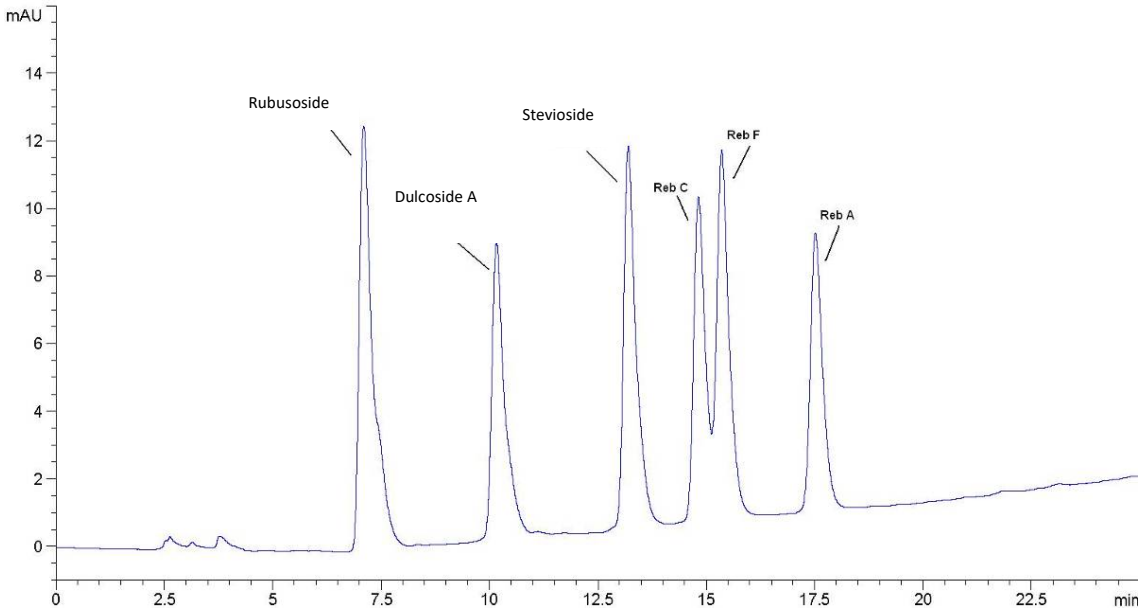


Chart A.2 M6 sample HPLC chromatogram（Gradient）

A.3.8.3 Sample collection of gradient analysis sample chromatograms

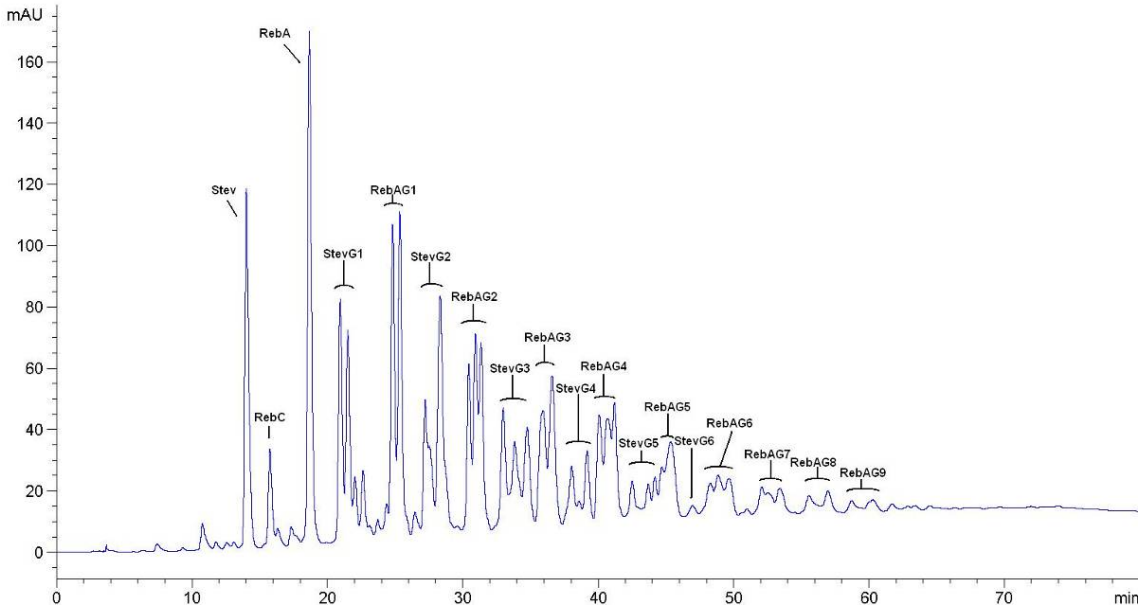


Chart A.3 Sample collection of gradient analysis sample chromatograms

Appendix 3 Certificates of Analysis for Multiple Batches of TasteRight Enzyme Treated Stevia

Appendix 3.1 TasteRight Enzyme Treated Stevia Batch 20170305

圣仁制药
Shengren Pharmaceuticals

Analysis Report of Glucosyl Stevia

文件编号 File No. REG-ZL-0005-00

产品 PRODUCT

名称 Name	酶改质甜菊糖 Glucosyl Stevia
规格 Specification	GSG95%
批号 Batch NO.	20170305
生产日期 Date of production	2017 年 3 月 5 日
批量 Batch quantity	1000kg

描述 DESCRIPTION

Appearance of Color and Form	White to off-white Powder
Taste and Oder	Sweet with cooling, lingering sweet aftertaste without Solvent
有效期限 Expiration date	2 年 2years
包装 Packing	Carton
贮存 Storage conditions	Keep in cool, dry and ventilating place

纯度 PURITY

参数 Parameter	标准 Standard	结果 Results
总含量%Total content of Steviol Glycosides	≥95	99.74
糊精%Dextrins%	≤20	19.01

化学检测 CHEMICAL TESTS

参数 Parameter	标准 Standard	结果 Results
Solubility	Freely soluble in water: ethanol (50:50)	Meet specification
PH	4.5-7.0	5.83
ppmMethanolppm	≤200	26
乙醇 ppmEthanolppm	≤5000	272
砷 Arsenic（以 As 计）ppm	≤1	≤1
重金属 Pb Total heavy metals ppm	≤1	≤1
目数 Mesh Thru #40	通过 95% NLT95%	96%
甜度 Sweetness	100-150	110
堆积密度 Density-Bulk	0.20-0.40g/ml	0.310
密度 Density-Tapped	0.30-0.60g/ml	0.340
灼烧残渣% Ash	≤1	0.71
干燥失重% Loss on drying	≤6	2.65
需氧菌总数 TABC	<1000cfu/g	<1000cfu/g
霉菌及酵母菌数 Yeast/Mold	<100 cfu/g	<100 cfu/g
大肠杆菌 E.Coli	Negative	Negative
Salmonella absent in 25g	AOAC/<2022>	Negative

结论：合格

Conclusion: Qualified for sales and human consumption.

检验：
Analyst
日期：2017 年 3 月 10 日
Date

审核：
Auditing
日期：2017 年 3 月 17 日
Date

Appendix 3.2 TasteRight Enzyme Treated Stevia Batch 20170401

圣仁制药
Shengren Pharmaceuticals

Analysis Report of Glucosyl Stevia

文件编号 File No. REG-ZL-0005-00

产品 PRODUCT

名称 Name	酶改质甜菊糖 Glucosyl Stevia
规格 Specification	GSG95%
批号 Batch NO.	20170401
生产日期 Date of production	2017 年 4 月 15 日
批量 Batch quantity	1000kg

描述 DESCRIPTION

Appearance of Color and Form	White to off-white Powder
Taste and Oder	Sweet with cooling, lingering sweet aftertaste without Solvent
有效期限 Expiration date	2 年 2years
包装 Packing	Carton
贮存 Storage conditions	Keep in cool, dry and ventilating place

纯度 PURITY

参数 Parameter	标准 Standard	结果 Results
总含量% Total content of Steviol Glycosides	≥95	99.17
糊精%Dextrins%	≤20	17.21

化学检测 CHEMICAL TESTS

参数 Parameter	标准 Standard	结果 Results
Solubility	Freely soluble in water: ethanol (50:50)	Meet specification
PH	4.5-7.0	5.80
甲醇 ppmMethanolppm	≤200	53
乙醇 ppmEthanolppm	≤5000	270
砷 Arsenic（以 As 计）ppm	≤1	≤1
重金属 Pb Total heavy metals ppm	≤1	≤1
目数 Mesh Thru #40	通过 95% NLT95%	96%
甜度 Sweetness	100-150	110
堆积密度 Density-Bulk	0.20-0.40g/ml	0.315
密度 Density-Tapped	0.30-0.60g/ml	0.336
灼烧残渣% Ash	≤1	0.71
干燥失重% Loss on drying	≤6	2.66
需氧菌总数 TABC	<1000cfu/g	<1000cfu/g
霉菌及酵母菌数 Yeast/Mold	<100 cfu/g	<100 cfu/g
大肠杆菌 E.Coli	Negative	Negative
Salmonella absent in 25g	AOAC/<2022>	Negative

结论：合格

Conclusion: Qualified for sales and human consumption.

检验：
Analyst
日期：2017 年 4 月 20 日
Date

审核：
Auditing
日期：2017 年 4 月 [illegible] 日
Date

Appendix 3.3 TasteRight Enzyme Treated Stevia Batch 20170502

圣仁制药
Shengren Pharmaceuticals

Analysis Report of Glucosyl Stevia

文件编号 File No. REG-ZL-0005-00

产品 PRODUCT

名称 Name	酶改质甜菊糖 Glucosyl Stevia
规格 Specification	GSG95%
批号 Batch NO.	20170502
生产日期 Date of production	2017 年 5 月 2 日
批量 Batch quantity	1000kg

描述 DESCRIPTION

Appearance of Color and Form	White to off-white Powder
Taste and Oder	Sweet with cooling, lingering sweet aftertaste without Solvent
有效期限 Expiration date	2 年 2years
包装 Packing	Carton
贮存 Storage conditions	Keep in cool, dry and ventilating place

纯度 PURITY

参数 Parameter	标准 Standard	结果 Results
总含量%Total content of Steviol Glycosides	≥95	99.26
糊精%Dextrins%	≤20	18.02

化学检测 CHEMICAL TESTS

参数 Parameter	标准 Standard	结果 Results
Solubility	Freely soluble in water: ethanol (50:50)	Meet specification
PH	4.5-7.0	5.76
甲醇 ppmMethanolppm	≤200	50
乙醇 ppmEthanolppm	≤5000	266
砷 Arsenic（以 As 计）ppm	≤1	≤1
重金属 Pb Total heavy metals ppm	≤1	≤1
目数 Mesh Thru #40	通过 95% NLT95%	96%
甜度 Sweetness	100-150	110
堆积密度 Density-Bulk	0.20-0.40g/ml	0.314
密度 Density-Tapped	0.30-0.60g/ml	0.336
灼烧残渣% Ash	≤1	0.71
干燥失重% Loss on drying	≤6	2.68
需氧菌总数 TABC	<1000cfu/g	<1000cfu/g
霉菌及酵母菌数 Yeast/Mold	<100 cfu/g	<100 cfu/g
大肠杆菌 E.Coli	Negative	Negative
Salmonella absent in 25g	AOAC/<2022>	Negative

结论：合格

Conclusion: Qualified for sales and human consumption.

检验：
Analyst
日期：2017 年 4 月 20 日
Date

审核：
Auditing
日期：2017 年 4 月 27 日
Date

Appendix 3.4 TasteRight Enzyme Treated Stevia Batch 20170703

圣仁制药
Shengren Pharmaceuticals

Analysis Report of Glucosyl Stevia

文件编号 File No. REG-ZL-0005-00

产品 PRODUCT

名称 Name	酶改质甜菊糖 Glucosyl Stevia
规格 Specification	GSG95%
批号 Batch NO.	20170703
生产日期 Date of production	2017 年 7 月 3 日
批量 Batch quantity	1000kg

描述 DESCRIPTION

Appearance of Color and Form	White to off-white Powder
Taste and Oder	Sweet with cooling, lingering sweet aftertaste without Solvent
有效期限 Expiration date	2 年 2years
包装 Packing	Carton
贮存 Storage conditions	Keep in cool, dry and ventilating place

纯度 PURITY

参数 Parameter	标准 Standard	结果 Results
总含量% Total content of Steviol Glycosides	≥95	99.74
糊精%Dextrins%	≤20	17.00

化学检测 CHEMICAL TESTS

参数 Parameter	标准 Standard	结果 Results
Solubility	Freely soluble in water: ethanol (50:50)	Meet specification
PH	4.5-7.0	5.70
甲醇 ppmMethanolppm	≤200	30
乙醇 ppmEthanolppm	≤5000	199
砷 Arsenic（以 As 计）ppm	≤1	≤1
重金属 Pb Total heavy metals ppm	≤1	≤1
目数 Mesh Thru #40	通过 95% NLT95%	96%
甜度 Sweetness	100-150	110
堆积密度 Density-Bulk	0.20-0.40g/ml	0.315
密度 Density-Tapped	0.30-0.60g/ml	0.338
灼烧残渣% Ash	≤1	0.71
干燥失重% Loss on drying	≤6	2.70
需氧菌总数 TABC	＜1000cfu/g	＜1000cfu/g
霉菌及酵母菌数 Yeast/Mold	＜100 cfu/g	＜100 cfu/g
大肠杆菌 E.Coli	Negative	Negative
Salmonella absent in 25g	AOAC/<2022>	Negative

结论：合格

Conclusion: Qualified for sales and human consumption.

检验：
Analyst
日期：2017 年 7 月 8 日
Date

审核：
Auditing
日期：2017 年 7 月 15 日
Date

Appendix 3.5 TasteRight Enzyme Treated Stevia Batch 20170302

圣仁制药
Shengren Pharmaceuticals

Analysis Report of Glucosyl Stevia

文件编号 File No. REG-ZL-0005-00

产品 PRODUCT

名称 Name	酶改质甜菊糖 Glucosyl Stevia
规格 Specification	GSG95%
批号 Batch NO.	20170302
生产日期 Date of production	2017 年 3 月 2 日
批量 Batch quantity	1000kg

描述 DESCRIPTION

外观 Appearance of Color and Form	White to off-white Powder
Taste and Oder	Sweet with cooling, lingering sweet aftertaste without Solvent
有效期限 Expiration date	2 年 2years
包装 Packing	Carton
贮存 Storage conditions	Keep in cool, dry and ventilating place

纯度 PURITY

参数 Parameter	标准 Standard	结果 Results
总含量% Total content of Steviol Glycosides	≥95	99.07
糊精%Dextrins%	≤20	18.04

化学检测 CHEMICAL TESTS

参数 Parameter	标准 Standard	结果 Results
Solubility	Freely soluble in water: ethanol (50:50)	Meet specification
PH	4.5-7.0	5.86
甲醇 ppmMethanolppm	≤200	32
乙醇 ppmEthanolppm	≤5000	249
砷 Arsenic（以 As 计）ppm	≤1	≤1
重金属 Pb Total heavy metals ppm	≤1	≤1
目数 Mesh Thru #40	通过 95% NLT95%	96%
甜度 Sweetness	100-150	110
堆积密度 Density-Bulk	0.20-0.40g/ml	0.316
密度 Density-Tapped	0.30-0.60g/ml	0.339
灼烧残渣% Ash	≤1	0.71
干燥失重% Loss on drying	≤6	2.57
需氧菌总数 TABC	<1000cfu/g	<1000cfu/g
霉菌及酵母菌数 Yeast/Mold	<100 cfu/g	<100 cfu/g
大肠杆菌 E.Coli	Negative	Negative
Salmonella absent in 25g	AOAC/<2022>	Negative

结论：合格

Conclusion: Qualified for sales and human consumption.

检验：孔令华
Analyst
日期：2017 年 3 月 7 日
Date

审核：贾之青
Auditing
日期：2017 年 3 月 14 日
Date

Appendix 4 Certificates of Analysis for Multiple Batches of TasteRight Refined Enzyme Treated Stevia

Appendix 4.1 TasteRight Refined Enzyme Treated Stevia Batch 20170306

圣仁制药
Shengren Pharmaceuticals

Analysis Report of Glucosyl Stevia

文件编号 File No. REG-ZL-0005-00

产品 PRODUCT

名称 Name	精制酶改质甜菊糖 The Refined Glucosyl Stevia
规格 Specification	GSG95%
批号 Batch NO.	20170306
生产日期 Date of production	2017 年 3 月 6 日
批量 Batch quantity	1000kg

描述 DESCRIPTION

外观 Appearance of Color and Form	White to off-white Powder
Taste and Oder	Sweet with cooling, lingering sweet aftertaste without Solvent
有效期限 Expiration date	2 年 2years
包装 Packing	Carton
贮存 Storage conditions	Keep in cool, dry and ventilating place

纯度 PURITY

参数 Parameter	标准 Standard	结果 Results
总含量%Total content of Steviol Glycosides	≥95	96.38
糊精 Dextrins%	≤1	0.1

化学检测 CHEMICAL TESTS

参数 Parameter	标准 Standard	结果 Results
Solubility	Freely soluble in water: ethanol (50:50)	Meet specification
PH	4.5-7.0	5.56
甲醇 ppmMethanolppm	≤200	29
乙醇 ppmEthanolppm	≤5000	248
砷 Arsenic（以 As 计）ppm	≤1	≤1
重金属 Pb Total heavy metals ppm	≤1	≤1
目数 Mesh Thru #40	Pass 95% NLT95%	97%
甜度 Sweetness	≥260	Meet the specification
堆积密度 Density-Bulk	0.20-0.40g/ml	0.318
密度 Density-Tapped	0.30-0.60g/ml	0.339
灼烧残渣% Ash	≤1	0.09
干燥失重% Loss on drying	≤6	2.68
需氧菌总数 TABC	<1000cfu/g	<1000cfu/g
霉菌及酵母菌数 Yeast/Mold	<100 cfu/g	<100 cfu/g
大肠杆菌 E.Coli	Negative	Negative
Salmonella absent in 25g	AOAC/<2022>	Negative

结论：合格

Conclusion: Qualified for sales and human consumption

检验：
Analyst
日期：2017 年 3 月 11 日

审核：
Auditing
日期：2017 年 3 月 18 日

Appendix 4.2 TasteRight Refined Enzyme Treated Stevia Batch 20170402

圣仁制药
Shengren Pharmaceuticals

Analysis Report of Glucosyl Stevia

文件编号 File No. REG-ZL-0005-00

产品 PRODUCT

名称 Name	精制酶改质甜菊糖 The Refined Glucosyl Stevia
规格 Specification	GSG95%
批号 Batch NO.	20170402
生产日期 Date of production	2017 年 4 月 2 日
批量 Batch quantity	1000kg

描述 DESCRIPTION

外观 Appearance of Color and Form	White to off-white Powder
Taste and Oder	Sweet with cooling, lingering sweet aftertaste without Solvent
有效期限 Expiration date	2 年 2years
包装 Packing	Carton
贮存 Storage conditions	Keep in cool, dry and ventilating place

纯度 PURITY

参数 Parameter	标准 Standard	结果 Results
总含量% Total content of Steviol Glycosides	≥95	96.78
糊精%Dextrins%	≤1	0.1

化学检测 CHEMICAL TESTS

参数 Parameter	标准 Standard	结果 Results
Solubility	Freely soluble in water: ethanol (50:50)	Meet specification
PH	4.5-7.0	5.53
甲醇 ppmMethanolppm	≤200	32
乙醇 ppmEthanolppm	≤5000	258
砷 Arsenic（以 As 计）ppm	≤1	≤1
重金属 Pb Total heavy metals ppm	≤1	≤1
目数 Mesh Thru #40	Pass 95% NLT95%	96%
甜度 Sweetness	≥260	Meet the specification
堆积密度 Density-Bulk	0.20-0.40g/ml	0.314
密度 Density-Tapped	0.30-0.60g/ml	0.335
灼烧残渣% Ash	≤1	0.09
干燥失重% Loss on drying	≤6	2.65
需氧菌总数 TABC	<1000cfu/g	<1000cfu/g
霉菌及酵母菌数 Yeast/Mold	<100 cfu/g	<100 cfu/g
大肠杆菌 E.Coli	Negative	Negative
Salmonella absent in 25g	AOAC/<2022>	Negative

结论：合格

Conclusion: Qualified for sales and human consumption.

检验：
Analyst
日期：2017 年 4 月 7 日

审核：
Auditing
日期：2017 年 4 月 14 日

Appendix 4.3 TasteRight Refined Enzyme Treated Stevia Batch 20170503

圣仁制药
Shengren Pharmaceuticals

Analysis Report of Glucosyl Stevia

文件编号 File No. REG-ZL-0005-00

产品 PRODUCT

名称 Name	精制酶改质甜菊糖 The Refined Glucosyl Stevia
规格 Specification	GSG95%
批号 Batch NO.	20170503
生产日期 Date of production	2017 年 5 月 3 日
批量 Batch quantity	1000kg

描述 DESCRIPTION

外观 Appearance of Color and Form	White to off-white Powder
Taste and Oder	Sweet with cooling, lingering sweet aftertaste without Solvent
有效期限 Expiration date	2 年 2years
包装 Packing	Carton
贮存 Storage conditions	Keep in cool, dry and ventilating place

纯度 PURITY

参数 Parameter	标准 Standard	结果 Results
总含量%Total content of Steviol Glycosides	≥95	96.00
糊精%Dextrins%	≤1	0.1

化学检测 CHEMICAL TESTS

参数 Parameter	标准 Standard	结果 Results
Solubility	Freely soluble in water: ethanol (50:50)	Meet specification
PH	4.5-7.0	5.53
甲醇 ppmMethanolppm	≤200	30
乙醇 ppmEthanolppm	≤5000	251
砷 Arsenic（以 As 计）ppm	≤1	≤1
重金属 Pb Total heavy metals ppm	≤1	≤1
目数 Mesh Thru #40	通过 95% NLT95%	96%
甜度 Sweetness	≥260	Meet the specification
堆积密度 Density-Bulk	0.20-0.40g/ml	0.319
密度 Density-Tapped	0.30-0.60g/ml	0.338
灼烧残渣% Ash	≤1	0.09
干燥失重% Loss on drying	≤6	2.59
需氧菌总数 TABC	<1000cfu/g	<1000cfu/g
霉菌及酵母菌数 Yeast/Mold	<100 cfu/g	<100 cfu/g
大肠杆菌 E.Coli	Negative	Negative
Salmonella absent in 25g	AOAC/<2022>	Negative

结论：合格

Conclusion: Qualified for sales and human consumption.

检验： 孔令荣 审核： 贾之青
Analyst Auditing
日期：2017 年 5 月 8 日 日期：2017 年 5 月 15 日

Appendix 4.4 TasteRight Refined Enzyme Treated Stevia Batch 20170701

圣仁制药
Shengren Pharmaceuticals

Analysis Report of Glucosyl Stevia

文件编号 File No. REG-ZL-0005-00

产品 PRODUCT

名称 Name	精制酶改质甜菊糖 The Refined Glucosyl Stevia
规格 Specification	GSG95%
批号 Batch NO.	20170701
生产日期 Date of production	2017 年 7 月 1 日
批量 Batch quantity	1000kg

描述 DESCRIPTION

外观 Appearance of Color and Form	White to off-white Powder
Taste and Oder	Sweet with cooling, lingering sweet aftertaste without Solvent
有效期限 Expiration date	2 年 2years
包装 Packing	Carton
贮存 Storage conditions	Keep in cool, dry and ventilating place

纯度 PURITY

参数 Parameter	标准 Standard	结果 Results
总含量%Total content of Steviol Glycosides	≥95	97.19
糊精%Dextrins%	≤1	0.1

化学检测 CHEMICAL TESTS

参数 Parameter	标准 Standard	结果 Results
Solubility	Freely soluble in water: ethanol (50:50)	Meet specification
PH	4.5-7.0	5.49
甲醇 ppmMethanolppm	≤200	26
乙醇 ppmEthanolppm	≤5000	261
砷 Arsenic（以 As 计）ppm	≤1	≤1
重金属 Pb Total heavy metals ppm	≤1	≤1
目数 Mesh Thru #40	通过 95% NLT95%	96%
甜度 Sweetness	≥260	Meet the specification
堆积密度 Density-Bulk	0.20-0.40g/ml	0.317
密度 Density-Tapped	0.30-0.60g/ml	0.338
灼烧残渣% Ash	≤1	0.09
干燥失重% Loss on drying	≤6	2.58
需氧菌总数 TABC	<1000cfu/g	<1000cfu/g
霉菌及酵母菌数 Yeast/Mold	<100 cfu/g	<100 cfu/g
大肠杆菌 E.Coli	Negative	Negative
Salmonella absent in 25g	AOAC/<2022>	Negative

结论：合格

Conclusion: Qualified for sales and human consumption

检验：
Analyst
日期：2017 年 7 月 6 日

审核：
Auditing
日期：2017 年 7 月 13 日

Appendix 4.5 TasteRight Refined Enzyme Treated Stevia Batch 20170301

圣仁制药
Shengren Pharmaceuticals

Analysis Report of Glucosyl Stevia

文件编号 File No. REG-ZL-0005-00

产品 PRODUCT

名称 Name	精制酶改质甜菊糖 The Refined Glucosyl Stevia
规格 Specification	GSG95%
批号 Batch NO.	20170301
生产日期 Date of production	2017 年 3 月 1 日
批量 Batch quantity	1000kg

描述 DESCRIPTION

外观 Appearance of Color and Form	White to off-white Powder
Taste and Oder	Sweet with cooling, lingering sweet aftertaste without Solvent
有效期限 Expiration date	2 年 2years
包装 Packing	Carton
贮存 Storage conditions	Keep in cool, dry and ventilating place

纯度 PURITY

参数 Parameter	标准 Standard	结果 Results
总含量% Total content of Steviol Glycosides	≥95	96.92
糊精 Dextrins%	≤1	0.1

化学检测 CHEMICAL TESTS

参数 Parameter	标准 Standard	结果 Results
Solubility	Freely soluble in water: ethanol (50:50)	Meet specification
PH	4.5-7.0	5.52
甲醇 ppmMethanolppm	≤200	36
乙醇 ppmEthanolppm	≤5000	256
砷 Arsenic（以 As 计）ppm	≤1	≤1
重金属 Pb Total heavy metals ppm	≤1	≤1
目数 Mesh Thru #40	Pass 95% NLT95%	96%
甜度 Sweetness	≥260	Meet the specification
堆积密度 Density-Bulk	0.20-0.40g/ml	0.316
密度 Density-Tapped	0.30-0.60g/ml	0.338
灼烧残渣% Ash	≤1	0.09
干燥失重% Loss on drying	≤6	2.62
需氧菌总数 TABC	<1000cfu/g	<1000cfu/g
霉菌及酵母菌数 Yeast/Mold	<100 cfu/g	<100 cfu/g
大肠杆菌 E.Coli	Negative	Negative
Salmonella absent in 25g	AOAC/<2022>	Negative

结论：合格

Conclusion: Qualified for sales and human consumption

检验：
Analyst
日期：2017 年 3 月 6 日

审核：
Auditing
日期：2017 年 3 月 13 日

Appendix 5 Analytical Chromatograms for Multiple Production Batches of TasteRight Enzyme Treated Stevia

Appendix 5.1 TasteRight Enzyme Treated Stevia Batch 20170305

Appendix 5.2 TasteRight Enzyme Treated Stevia Batch 20170401

Appendix 5.3 TasteRight Enzyme Treated Stevia Batch 20170502

Appendix 5.4 TasteRight Enzyme Treated Stevia Batch 20170703

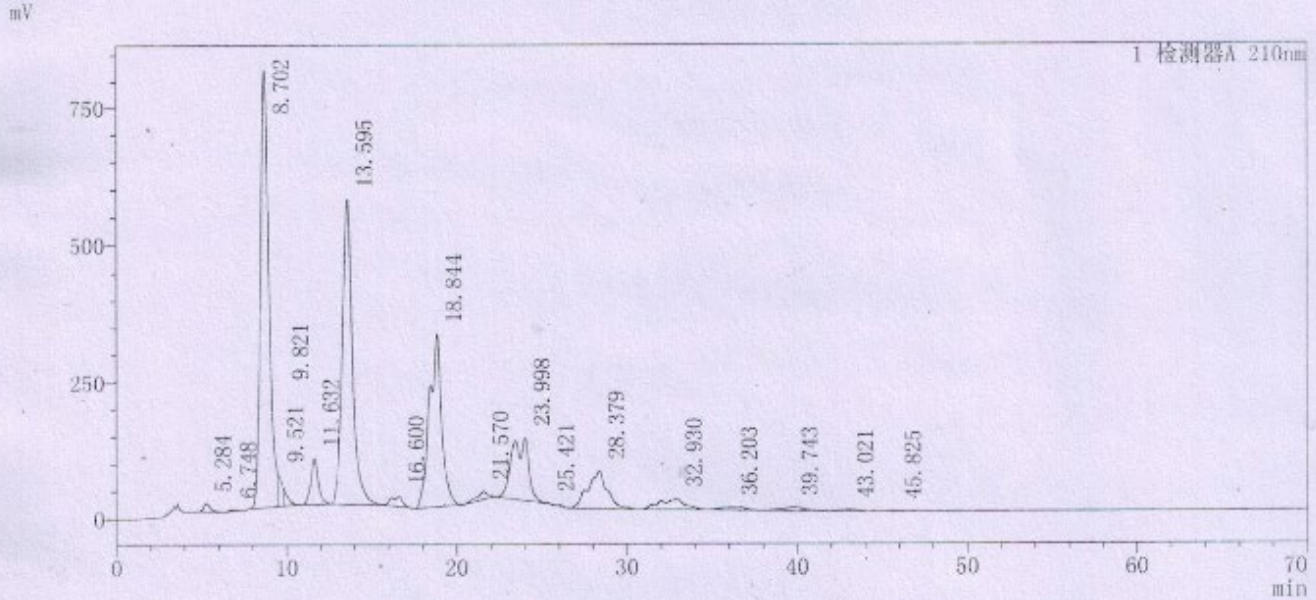
Appendix 5.5 TasteRight Enzyme Treated Stevia Batch 20170302

Appendix 5.1 TasteRight Enzyme Treated Stevia Batch 20170305

样品信息

分析者	: wumin
样品名	: 20170305
样品ID	:
样品瓶架号	: 1
进样体积	: 10
数据文件	: 170310-04.lcd
方法文件	: 梯度8月9号 B17.5.lcm

色谱图



峰表

检测器A 210nm

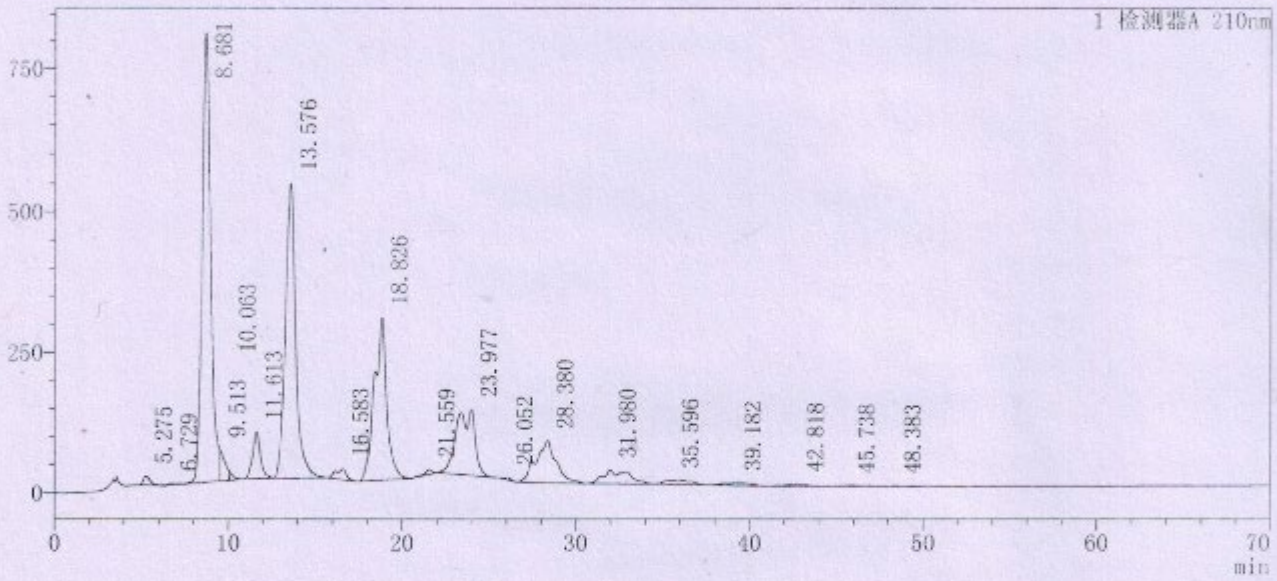
峰号	保留时间	面积	高度	浓度	化合物名
1	5.284	432439	15409	0.000	RU
2	6.748	53702	2332	0.000	DA
3	8.702	27588234	801100	0.000	STV
4	9.521	823885	57587	0.000	RC
5	9.821	525769	31995	0.000	RF
6	11.632	2642387	82592	0.000	RA
7	13.595	23255007	554854	0.000	STV1
8	16.600	817239	18679	0.000	RA1
9	18.844	15767086	315075	0.000	STV2
10	21.570	607877	13958	0.000	RA2
11	23.998	7668240	114227	0.000	STV3
12	25.421	23467	31	0.000	RA3
13	28.379	5492045	69133	0.000	STV4
14	32.930	2039439	19928	0.000	RA4
15	36.203	507649	5857	0.000	STV5
16	39.743	577855	7010	0.000	RA5
17	43.021	143253	2419	0.000	STV6
18	45.825	30931	624	0.000	RA6
总计		88996505	2112812		

Appendix 5.2 TasteRight Enzyme Treated Stevia Batch 20170401

样品信息

分析者	: wumin
样品名	: 20170401
样品ID	:
样品瓶架号	: 1
进样体积	: 10
数据文件	: 170406-07.lcd
方法文件	: 梯度8月9号 B17.5.lcm

色谱图



峰表

检测器A 210nm

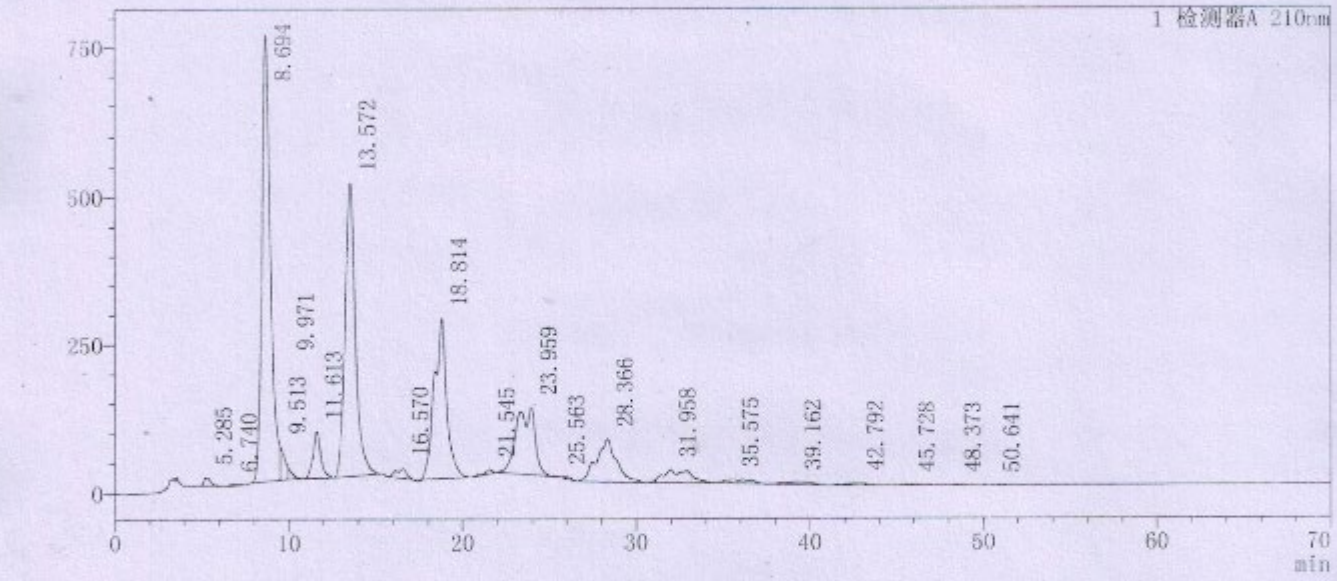
峰号	保留时间	面积	高度	浓度	化合物名
1	5.275	425144	15953	0.000	RU
2	6.729	14190	1982	0.000	DA
3	8.681	27206443	795726	0.000	STV
4	9.513	1135360	54910	0.000	RC
5	10.063	202664	14865	0.000	RF
6	11.613	2670905	82605	0.000	RA
7	13.576	21659924	522586	0.000	STV1
8	16.583	786076	18289	0.000	RA1
9	18.826	14287091	289266	0.000	STV2
10	21.559	235954	7785	0.000	RA2
11	23.977	8431445	117505	0.000	STV3
12	26.052	100062	3718	0.000	RA3
13	28.380	5921644	74344	0.000	STV4
14	31.980	2437693	23720	0.000	RA4
15	35.596	714379	6856	0.000	STV5
16	39.182	494408	4448	0.000	RA5
17	42.818	265117	3600	0.000	STV6
18	45.738	44720	1024	0.000	RA6
19	48.383	-12669	216	0.000	
总计		87020550	2039400		

Appendix 5.3 TasteRight Enzyme Treated Stevia Batch 20170502

样品信息

分析者	: wumin
样品名	: 20170502
样品ID	:
样品瓶架号	: 1
进样体积	: 10
数据文件	: 170507-06.lcd
方法文件	: 梯度8月9号 B17.5.1cm

色谱图



峰表

检测器A 210nm

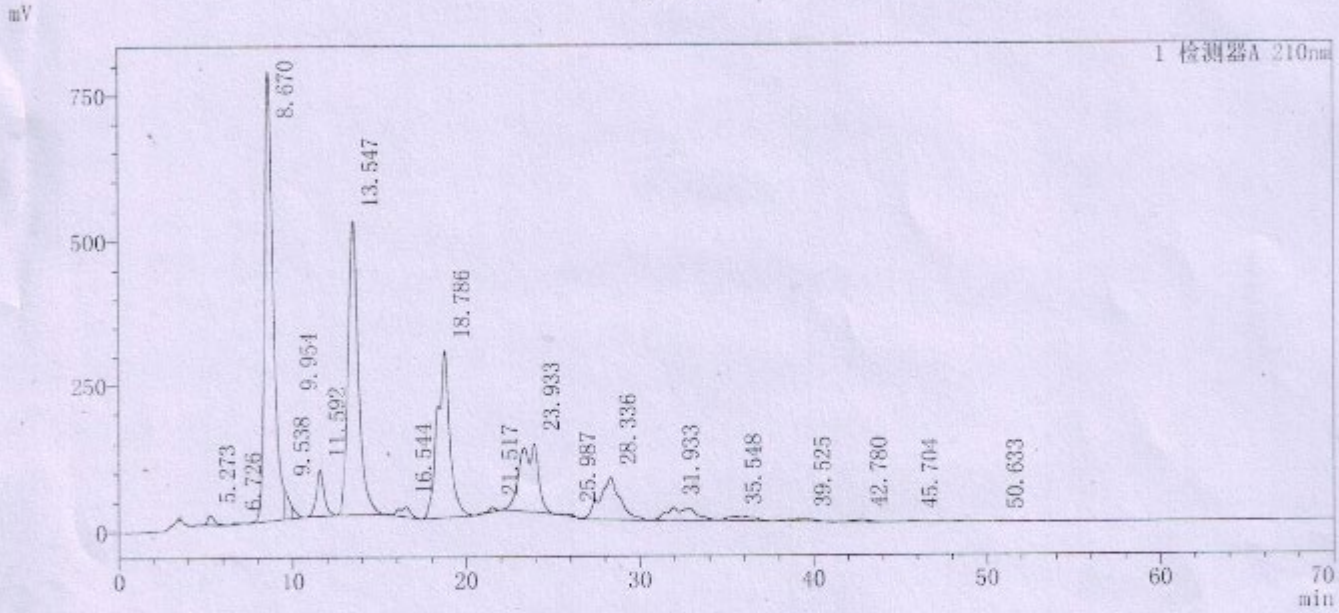
峰号	保留时间	面积	高度	浓度	化合物名
1	5.285	378602	13956	0.000	RU
2	6.740	98688	2950	0.000	DA
3	8.694	25621182	750947	0.000	STV
4	9.513	1029550	55433	0.000	RC
5	9.971	269271	19455	0.000	RF
6	11.613	2497182	77205	0.000	RA
7	13.572	20428771	493801	0.000	STV1
8	16.570	635949	16183	0.000	RA1
9	18.814	13337490	269511	0.000	STV2
10	21.545	206412	6844	0.000	RA2
11	23.959	8178891	112861	0.000	STV3
12	25.563	87512	66	0.000	RA3
13	28.366	5626217	71012	0.000	STV4
14	31.958	2263125	21833	0.000	RA4
15	35.575	613966	5925	0.000	STV5
16	39.162	477750	4172	0.000	RA5
17	42.792	269319	3529	0.000	STV6
18	45.728	85107	1140	0.000	RA6
19	48.373	24528	522	0.000	
20	50.641	26704	488	0.000	
总计		82156217	1927831		

Appendix 5.4 TasteRight Enzyme Treated Stevia Batch 20170703

样品信息

分析者	: wumin
样品名	: 20170703
样品ID	:
样品瓶架号	: 1
进样体积	: 10
数据文件	: 170708-07.lcd
方法文件	: 梯度8月9号 B17.5.1cm

色谱图



峰表

检测器A 210nm

峰号	保留时间	面积	高度	浓度	化合物名
1	5.273	461015	16243	0.000	RU
2	6.726	53487	2400	0.000	DA
3	8.670	26773857	771269	0.000	STV
4	9.538	894157	52735	0.000	RC
5	9.954	302326	20646	0.000	RF
6	11.592	2503584	78620	0.000	RA
7	13.547	21132419	505960	0.000	STV1
8	16.544	731244	17521	0.000	RA1
9	18.786	14377702	285313	0.000	STV2
10	21.517	216141	7434	0.000	RA2
11	23.933	8377367	116173	0.000	STV3
12	25.987	37024	2192	0.000	RA3
13	28.336	5695353	71945	0.000	STV4
14	31.933	2270381	21300	0.000	RA4
15	35.548	675883	6395	0.000	STV5
16	39.525	364202	3985	0.000	RA5
17	42.780	223227	3348	0.000	STV6
18	45.704	69605	821	0.000	RA6
19	50.633	28752	483	0.000	
总计		85187727	1984783		

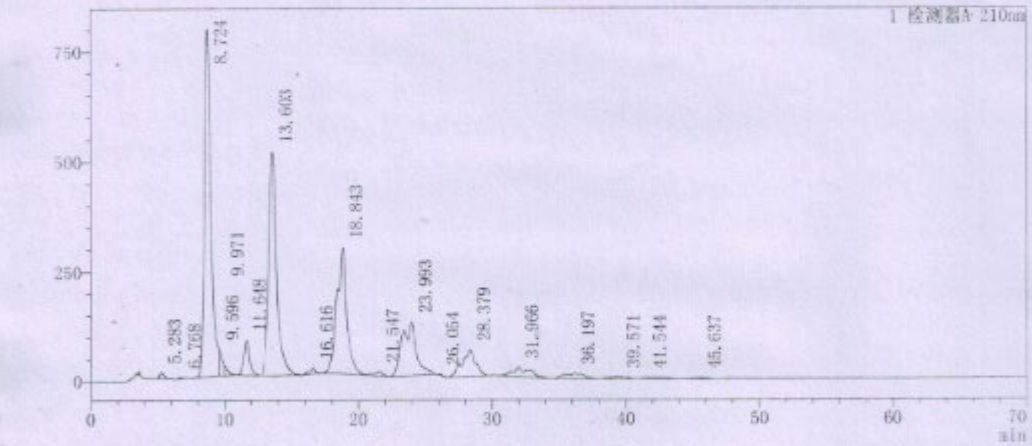
Appendix 5.5 TasteRight Enzyme Treated Stevia Batch 20170302

色谱图

样品信息

分析者	: wumin
样品名	: 20170302
样品ID	:
样品瓶架号	: 1
进样体积	: 10
数据文件	: 170307-05.lcd
方法文件	: 梯度8月9号 B17.5.lcm

色谱图



峰表

检测器A 210nm

峰号	保留时间	面积	高度	浓度	化合物名
1	5.283	297239	13465	0.000	RU
2	6.768	67068	3005	0.000	DA
3	8.724	26761534	794101	0.000	STV
4	9.596	934756	60703	0.000	RC
5	9.971	435498	25219	0.000	RF
6	11.648	2504486	80012	0.000	RA
7	13.603	21546266	509237	0.000	STV1
8	16.616	401969	12089	0.000	RA1
9	18.843	14969202	289256	0.000	STV2
10	21.547	444804	10439	0.000	RA2
11	23.993	9125804	122916	0.000	STV3
12	26.054	34647	2023	0.000	RA3
13	28.379	4341050	61154	0.000	STV4
14	31.966	1998240	21196	0.000	RA4
15	36.197	1179021	11464	0.000	STV5
16	39.571	349845	3895	0.000	RA5
17	41.544	206379	1821	0.000	STV6
18	45.637	142537	1992	0.000	RA6
总计		85740346	2023986		

Appendix 6 Analytical Chromatograms for Multiple Production Batches of TasteRight Refined Enzyme Treated Stevia

Appendix 6.1 TasteRight Refined Enzyme Treated Stevia Batch 20170306

Appendix 6.2 TasteRight Refined Enzyme Treated Stevia Batch 20170402

Appendix 6.3 TasteRight Refined Enzyme Treated Stevia Batch 20170503

Appendix 6.4 TasteRight Refined Enzyme Treated Stevia Batch 20170701

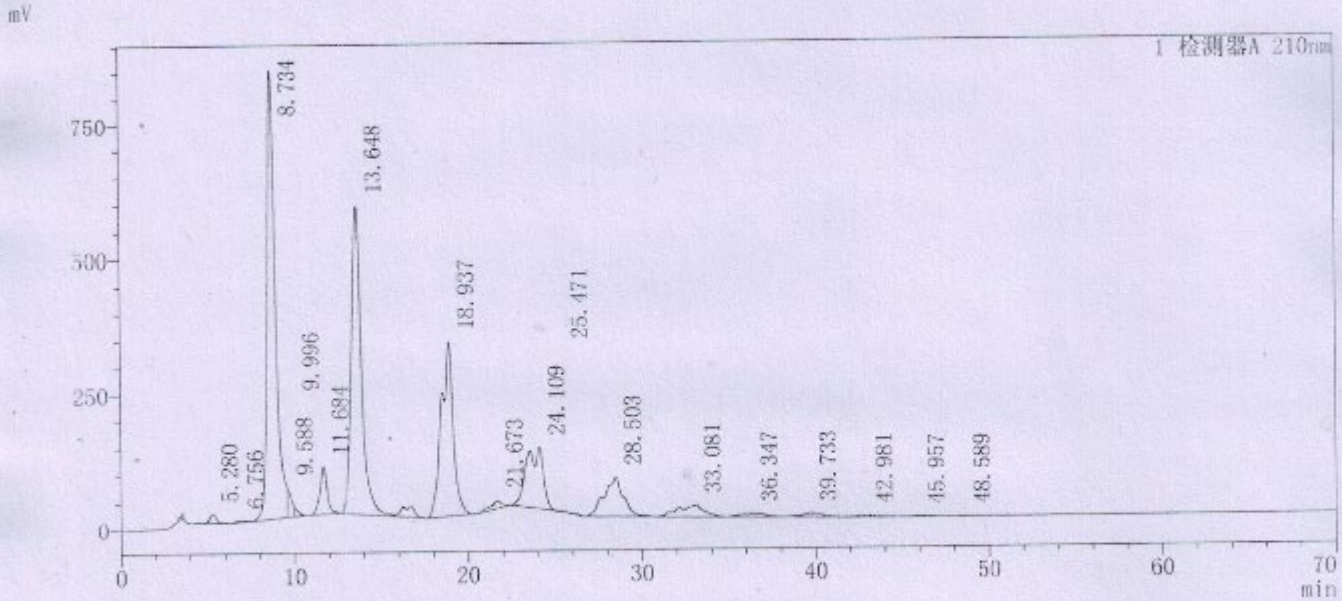
Appendix 6.5 TasteRight Refined Enzyme Treated Stevia Batch 20170301

Appendix 6.1 TasteRight Refined Enzyme Treated Stevia Batch 20170306

样品信息

分析者	: wumin
样品名	: 20170306
样品ID	:
样品瓶架号	: 1
进样体积	: 10
数据文件	: 170311-05.lcd
方法文件	: 梯度8月9号 B17.5.1cm

色谱图



峰表

检测器A 210nm

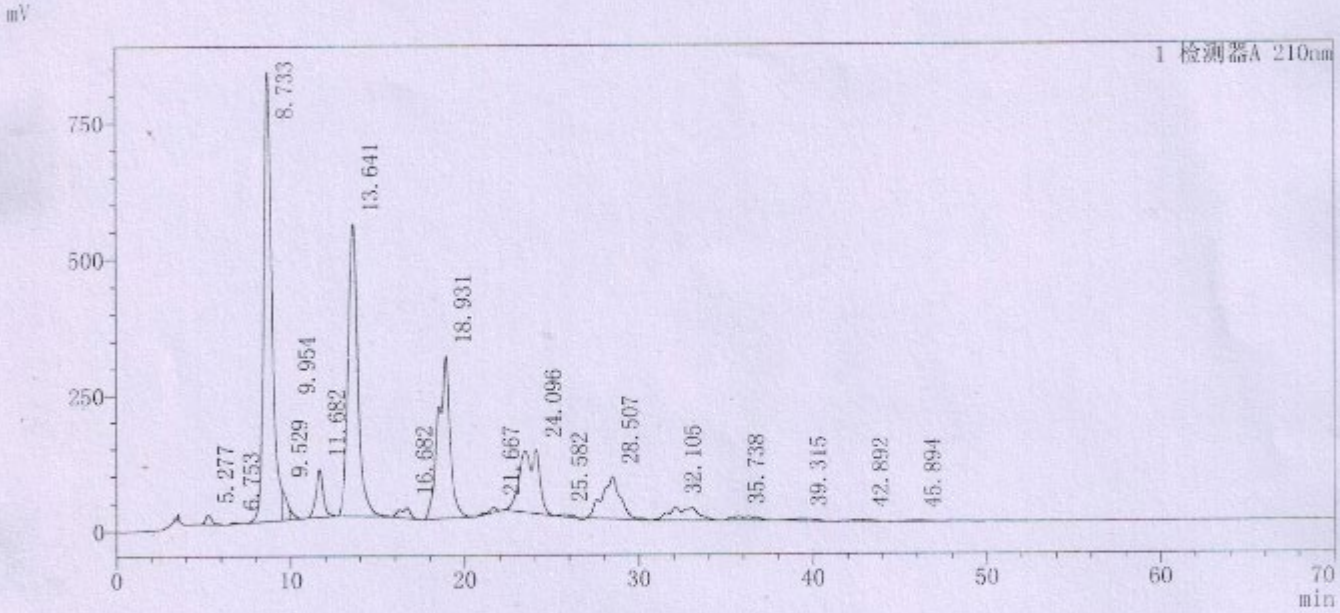
峰号	保留时间	面积	高度	浓度	化合物名
1	5.280	411056	16108	0.000	DA
2	6.756	109756	3545	0.000	RU
3	8.734	27658217	834897	0.000	STV
4	9.588	854584	54789	0.000	RC
5	9.996	236993	17368	0.000	RF
6	11.684	2543161	86766	0.000	RA
7	13.648	24007209	569128	0.000	STV1
8	18.937	15717564	323325	0.000	RA1
9	21.673	653089	14171	0.000	STV2
10	24.109	7439017	113087	0.000	RA2
11	25.471	8150	37	0.000	STV3
12	28.503	5600302	72677	0.000	RA3
13	33.081	2234368	22031	0.000	STV4
14	36.347	630386	6844	0.000	RA4
15	39.733	570376	7430	0.000	STV5
16	42.981	179767	2705	0.000	RA5
17	45.957	83176	998	0.000	STV6
18	48.589	13211	300	0.000	RA6
总计		88950381	2146205		

Appendix 6.2 TasteRight Refined Enzyme Treated Stevia Batch 20170402

样品信息

分析者	: wumin
样品名	: 20170402
样品ID	:
样品瓶架号	: 1
进样体积	: 10
数据文件	: 170407-06.lcd
方法文件	: 梯度8月9号 B17.5.1cm

色谱图



峰表

检测器A 210nm

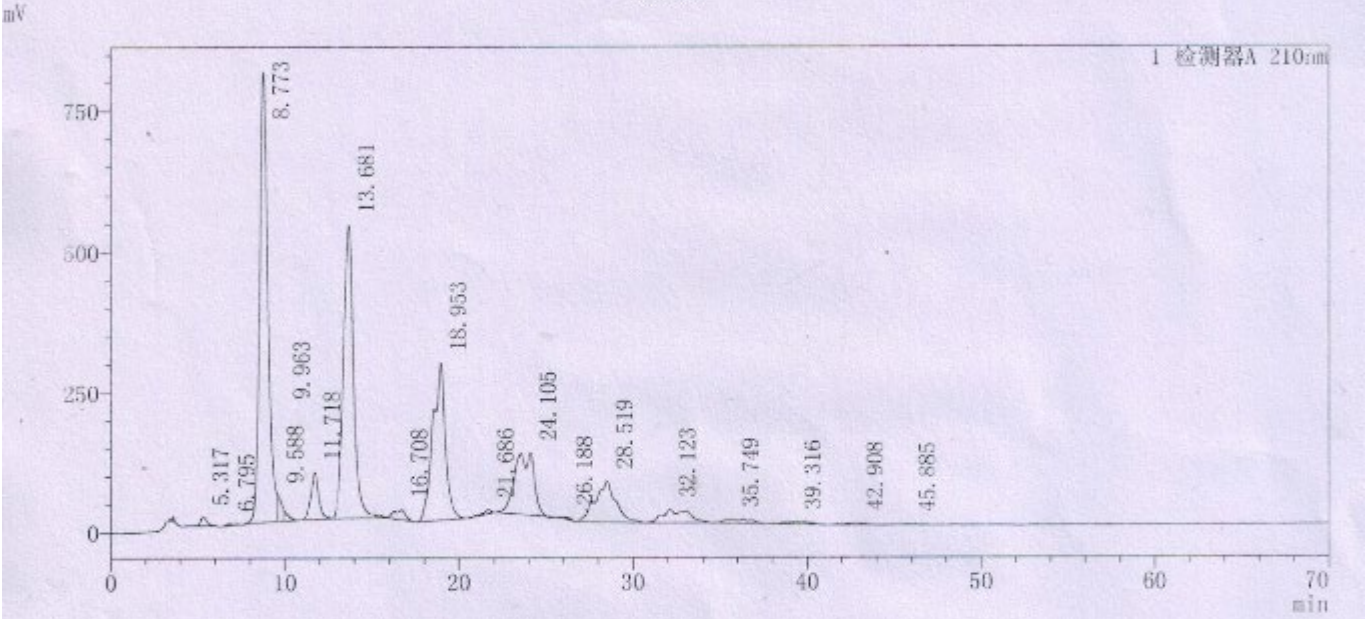
峰号	保留时间	面积	高度	浓度	化合物名
1	5.277	451496	16960	0.000	RU
2	6.753	58675	2811	0.000	DA
3	8.733	27109281	824833	0.000	STV
4	9.529	975857	55055	0.000	RC
5	9.954	274109	19558	0.000	RF
6	11.682	2574940	86115	0.000	RA
7	13.641	21309517	536191	0.000	STV1
8	16.682	804412	19040	0.000	RA1
9	18.931	14242012	299466	0.000	STV2
10	21.667	292346	8817	0.000	RA2
11	24.096	8483256	116647	0.000	STV3
12	25.582	158346	3473	0.000	RA3
13	28.507	5578972	76526	0.000	STV4
14	32.105	2554790	24670	0.000	RA4
15	35.738	656133	6910	0.000	STV5
16	39.315	286803	3438	0.000	RA5
17	42.892	184592	2775	0.000	STV6
18	45.894	115724	1501	0.000	RA6
总计		86111262	2104784		

Appendix 6.3 TasteRight Refined Enzyme Treated Stevia Batch 20170503

样品信息

分析者	: wumin
样品名	: 20170503
样品ID	:
样品瓶架号	: 1
进样体积	: 10
数据文件	: 170508-07.lcd
方法文件	: 梯度8月9号 B17.5.1cm

色谱图



峰表

检测器A 210nm

峰号	保留时间	面积	高度	浓度	化合物名
1	5.317	378256	14816	0.000	RU
2	6.795	73776	2966	0.000	DA
3	8.773	26588106	800272	0.000	STV
4	9.588	758209	46512	0.000	RC
5	9.963	286089	19179	0.000	RF
6	11.718	2670028	83781	0.000	RA
7	13.681	21375911	522032	0.000	STV1
8	16.708	736460	17138	0.000	RA1
9	18.953	14018880	280642	0.000	STV2
10	21.686	213348	7157	0.000	RA2
11	24.105	8374552	111684	0.000	STV3
12	26.188	61705	2831	0.000	RA3
13	28.519	5861652	73174	0.000	STV4
14	32.123	2345554	23428	0.000	RA4
15	35.749	619157	6167	0.000	STV5
16	39.316	347921	3659	0.000	RA5
17	42.908	191124	2863	0.000	STV6
18	45.885	60313	991	0.000	RA6
总计		84961044	2019291		

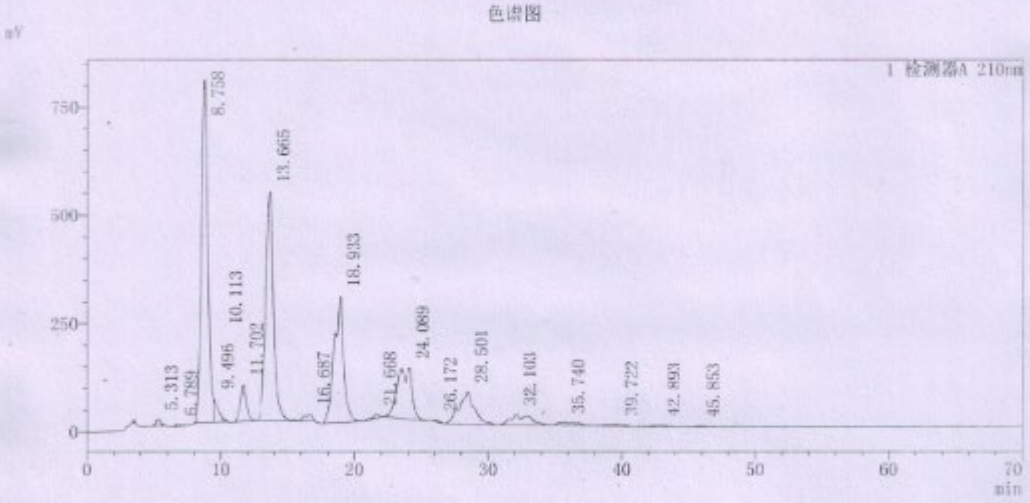
Appendix 6.4 TasteRight Refined Enzyme Treated Stevia Batch 20170701

色谱图

样品信息

分析者	: wumin
样品名	: 20170701
样品ID	:
样品瓶架号	: 1
进样体积	: 10
数据文件	: 170706-08.lcd
方法文件	: 梯度8月9号 B17.5.lcm

色谱图



峰表

检测器A 210nm

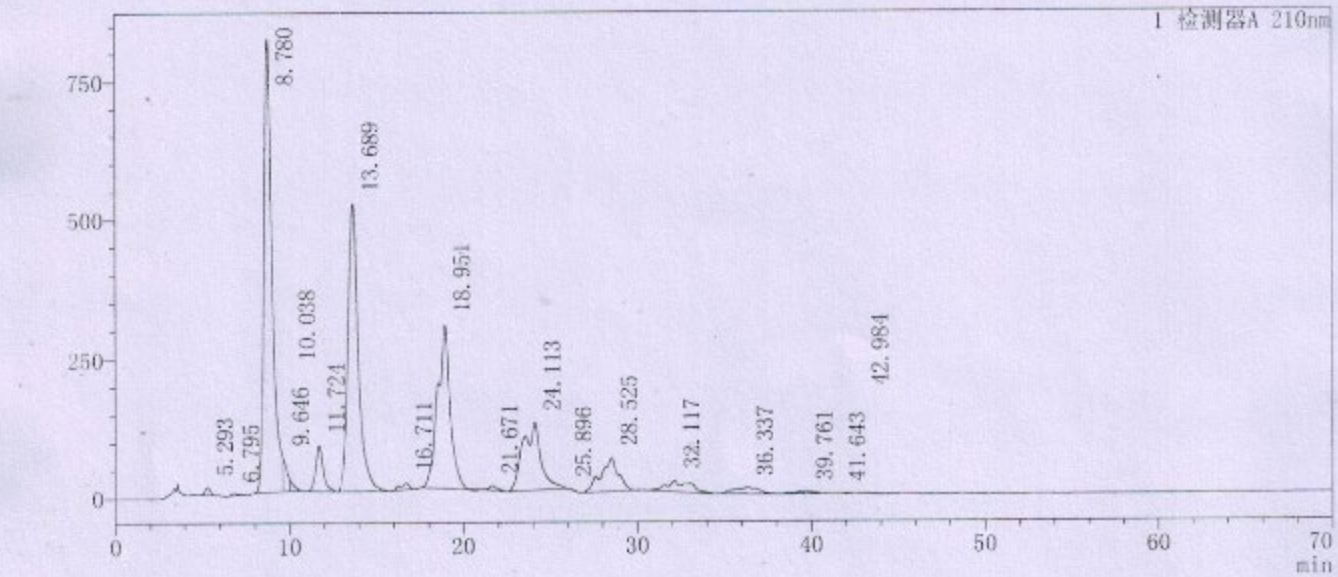
峰号	保留时间	面积	高度	浓度	化合物名
1	5.313	394418	15749	0.000	RU
2	6.789	111709	3291	0.000	DA
3	8.758	26548382	791112	0.000	STV
4	9.496	1127095	53599	0.000	RC
5	10.113	98001	10036	0.000	RF
6	11.702	2670338	83024	0.000	RA
7	13.665	21594956	527156	0.000	STV1
8	16.687	591664	14691	0.000	RA1
9	18.933	14584342	292195	0.000	STV2
10	21.668	272378	8187	0.000	RA2
11	24.089	8651055	116742	0.000	STV3
12	26.172	64784	2998	0.000	RA3
13	28.501	5848516	73615	0.000	STV4
14	32.103	2294925	22602	0.000	RA4
15	35.740	619752	6009	0.000	STV5
16	39.722	414888	4245	0.000	RA5
17	42.893	254153	3239	0.000	STV6
18	45.853	99332	1344	0.000	RA6
总计		86240689	2029835		

Appendix 6.5 TasteRight Refined Enzyme Treated Stevia Batch 20170301

样品信息

分析者	: wumin
样品名	: 20170301
样品ID	:
样品瓶架号	: 1
进样体积	: 10
数据文件	: 170306-04.lcd
方法文件	: 梯度8月9号 B17.5.lcm

色谱图



峰表

检测器A 210nm

峰号	保留时间	面积	高度	浓度	化合物名
1	5.293	313532	14806	0.000	RU
2	6.795	103551	3660	0.000	DA
3	8.780	26704950	817617	0.000	STV
4	9.646	946435	61027	0.000	RC
5	10.038	314180	20798	0.000	RF
6	11.724	2563311	83210	0.000	RA
7	13.689	21622491	516364	0.000	STV1
8	16.711	447785	12591	0.000	RA1
9	18.951	14864367	292833	0.000	STV2
10	21.671	284758	8860	0.000	RA2
11	24.113	8973424	122704	0.000	STV3
12	25.896	24991	4	0.000	RA3
13	28.525	4363930	61607	0.000	STV4
14	32.117	2064532	21282	0.000	RA4
15	36.337	1200184	12237	0.000	STV5
16	39.761	291622	3384	0.000	RA5
17	41.643	-10544	318	0.000	STV6
18	42.984	59861	1322	0.000	RA6
总计		85133361	2054624		

Appendix 7 Pesticide Testing Reports

eurofins

Analytical Report

Sample Code	128-2018-00010031	Report date	20-Jun-2018
Certificate No.	AR-18-VV-010057-01		

Qufu Shengren Pharmaceutical Co.,Ltd
No.6 Shengwang Road, Shuyuan Industrial Park,
Qufu, Jining, Shandong Province, P.R.China
Fax 0086 537 4911578

Our reference:	128-2018-00010031/ AR-18-VV-010057-01
Client Sample Code:	20180401
Sample described as:	Enzymatically treated stevia
Sample Packaging:	Sealed plastic bag
Sample reception date:	14-Jun-2018
Analysis starting date:	14-Jun-2018
Analysis ending date:	20-Jun-2018
Arrival Temperature (°C)	24.8
Sample Weight	100g

		Results	Unit	LOQ	LOD
☆ SU311	Pesticides Quechers	Method: BS EN 15662:2008			
Screened pesticides		Not Detected	mg/kg		
☆ SU312	Pesticides Quechers	Method: EN 15662:2008; BS EN 15662:2008			
Dimethomorph		<LOQ	mg/kg	0.01	
Other screened pesticides		Not Detected	mg/kg		

List of screened molecules (* = limit of quantification)

SU311 Pesticides Quechers (LOQ* mg/kg)

2-Phenylphenol (0.01)	Acetochlor (0.01)	Aclonifen (0.01)	Aldrin (0.01)	Ametryne (0.01)	Anthraquinone (0.01)
Azamide (0.04)	Azoxystrobine (0.01)	Benfluralin (0.01)	Bifenox (0.05)	Bifenthrin (0.01)	Biphenyl (0.01)
Bromfenvinfos (0.01)	Bromophos (0.01)	Bromophos-ethyl (0.01)	Bromopropylate (0.01)	Butachlor (0.01)	Butafenacil (0.01)
Cadusafos (0.01)	Captafol (0.05)	Captan (0.01)	Captan/THPI (Sum calculated as Captan) ()	Carbophenothion (0.01)	Carbophenothion-methyl (0.01)
Carbofuran (0.01)	Chlorbenside (0.01)	Chlordane (Sum) ()	Chlordane, alpha (0.01)	Chlordane, gamma (0.01)	Chlorfenapyr (0.01)
Chlorfenson (0.02)	Chlorfenvinphos (0.01)	Chlormephos (0.02)	Chlorobenzilate (0.01)	Chloroneb (0.01)	Chloropropylate (0.01)
Chlorothalonil (0.01)	Chlorpyrifos (-ethyl) (0.01)	Chlorpyrifos-methyl (0.01)	Chlorthal-dimethyl (0.01)	Chlorthion (0.02)	Chlozolinate (0.01)
Crufomate (0.02)	Cyanazine (0.02)	Cyanofenphos (0.01)	Cyanophos (0.02)	Cyfluthrin (0.02)	Cyhalothrin lambda- (0.01)
Cypermethrin (0.02)	Cyphenothrin (0.01)	DDD, o,p'- (0.01)	DDD, p,p'- (0.01)	DDE, o,p'- (0.01)	DDE, p,p'- (0.01)
DDT (Sum) ()	DDT, o,p'- (0.01)	DDT, p,p'- (0.01)	Deltamethrin (0.02)	Dichlofenthion (0.01)	Dichlofluanid (0.01)
Dicloran (0.01)	Dichlorobenzophenone o,p' (0.01)	Dichlorobenzophenone p,p' (0.01)	Dichlorvos (0.01)	Diclofop (Sum) ()	Dicofol (sum) ()
Dicofol, o,p'- (0.01)	Dicofol, p,p'- (0.01)	Dieldrin (0.01)	Dieldrin (Sum) ()	Dienochlor (0.02)	Dinobuton (0.02)
Dioxabenzofos (0.02)	Dioxathion (0.02)	Diphenylamine (0.01)	Edifenphos (0.01)	Endosulfan (Sum) ()	Endosulfan, alpha- (0.01)
Endosulfan, beta- (0.01)	Endosulfan, sulfat- (0.01)	Endrin (0.01)	EPN (0.02)	Ethalfluralin (0.01)	Ethion (0.01)
Etridiazole (0.01)	Etrimfos (0.01)	Famoxadone (0.01)	Fenamiphos (0.01)	Fenchlorphos (0.01)	Fenchlorphos (sum) ()
Fenchlorphos oxon (0.01)	Fenfluthrin (0.01)	Fenitrothion (0.01)	Fenpropathrin (0.01)	Fenson (0.01)	Fenthion (0.01)
Fenvalerate & Esfenvalerate (Sum of RR&SR isomers) (0.01)	Fenvalerate & Esfenvalerate(sum of RR,SS,RS,SR) ()	Fenvalerate & Esfenvalerate(Sum of RR&SS isomers) (0.01)	Fluchloralin (0.02)	Fluythrinate (0.01)	Flumetralin (0.02)
Flumioxazin (0.01)	Fluotrimazole (0.01)	Fluquinconazole (0.01)	Flusulfate-tau (0.01)	Folpet (0.01)	Folpet/PI (Sum calculated as Folpet) ()
Fonofos (0.01)	Formothion (0.02)	Halfenprox (0.01)	HCB (0.01)	HCH (Sum, without Lindan) ()	HCH gamma(Lindan) (0.01)
HCH, alpha- (0.01)	HCH, beta- (0.01)	HCH, delta- (0.01)	HCH, epsilon- (0.01)	Heptachlor (0.01)	Heptachlor (Sum) ()
Heptachlor epoxide cis (0.01)	Heptachlor epoxide trans (0.01)	Heptenophos (0.01)	Iprobenfos (0.01)	Isazofos (0.01)	Isocarbophos (0.01)
Isodrin (0.01)	Isofenphos (0.01)	Isofenphos-methyl (0.01)	Isoprothiolane (0.01)	Jodfenphos (0.01)	Kresoxim-methyl (0.01)
Lindrin (0.01)	Malaoxon (0.01)	Malathion (Sum) ()	Mecarbam (0.01)	Mepronil (0.02)	Methacrifos (0.01)
Methidathion (0.01)	Methoxychlor (0.01)	Methyl-Pentachlorophenylsulfide (0.01)	Metribuzin (0.01)	Mevinphos (0.01)	Mirex (0.01)
N-Desethyl-pirimiphos-methyl (0.01)	Nitrapyrin (0.01)	Nitrofen (0.01)	Nitrothal-isopropyl (0.01)	Octachlorodipropyl ether (S-421) (0.01)	Ofurace (0.01)
Oxadiazon (0.01)	Oxychlordane (0.01)	Oxyfluorfen (0.01)	Paclobutrazol (0.01)	Parathion (0.02)	Parathion-methyl (0.02)
PCB 101 (0.01)	PCB 118 (0.01)	PCB 138 (0.01)	PCB 153 (0.01)	PCB 180 (0.01)	PCB 28 (0.01)
PCB 52 (0.01)	Pentachloroaniline (0.01)	Pentachloroanisole (0.01)	Pentachlorobenzene (0.01)	Permethrin (0.01)	Phenkapton (0.02)
Phenothrin (0.01)	Phenthoate (0.01)	Phorate (0.01)	Phosphamidon (0.01)	Phthalimid (PI) (0.01)	Picolystrobin (0.01)
Piperophos (0.01)	Pirimiphos-ethyl (0.01)	Procymidone (0.01)	Profenofos (0.01)	Profluralin (0.01)	Prometryn (0.01)
Propanil (0.01)	Propazine (0.01)	Prothiofos (0.01)	Pyrazophos (0.01)	Pyridaryl (0.01)	Pyridaphenthion (0.01)
Pyrifenox (0.01)	Pyrimethanil (0.01)	Quinalphos (0.01)	Quintozene (0.01)	Quizalofop-P-ethyl (0.01)	Silafluofen (0.01)
Silthiofam (0.01)	Tebufenpyrad (0.01)	Tecnazene (0.01)	Tefluthrin (0.01)	Terbufos (0.01)	Tetrachlorvinphos (0.01)
Tetradifon (0.01)	Tetramethrin (0.01)	Tetrasul (0.01)	Tetrahydrophthalimide (THPI) (0.01)	Tolylfluanid (0.01)	Triallate (0.01)
Triazamate (0.01)	Triazophos (0.01)	Trichloronat (0.01)	Trifluralin (0.01)	Triticonazole (0.01)	Uniconazole (0.02)

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SU311 **Pesticides Quechers (LOQ* mg/kg)**

Vinclozolin (0.01)

SU312 **Pesticides Quechers (LOQ* mg/kg)**

2,4-Formoxylidid (Amitraz Metabolite) (0.01)	3,4,5-Trimethacarb (0.01)	3-Hydroxycarbofuran (0.01)	4-CPA (0.01)	Abamectin (sum) ()	Acephate (0.01)
Acetamiprid (0.01)	Acibenzolar-s-methyl (0.01)	Acifluorfen (0.01)	Acrinathrin (0.01)	Alachlor (0.01)	Aldicarb (0.01)
Aldicarb (sum) ()	Aldicarb-sulfone (0.01)	Aldicarb-sulfoxide (0.01)	Amitraz (sum) ()	Amitraz (0.01)	Asulam (0.01)
Avermectin B1a (0.01)	Avermectin B1b (0.01)	Azimsulfuron (0.01)	Azinphos-ethyl (0.01)	Azinphos-methyl (0.01)	Azoxystrobin (0.01)
Benalaxyl (0.01)	Bendiocarb (0.01)	Benoxacor (0.01)	Bensulfuron methyl (0.01)	Bentazone (0.01)	Bitertanol (0.01)
Boscalid (0.01)	Bromoxynil (0.01)	Bromuconazole (Sum) ()	Bromuconazole, cis- (0.01)	Bromuconazole, trans- (0.01)	Bupirimate (0.01)
Buprofezin (0.01)	Butocarboxim (0.05)	Butocarboxim (Sum) ()	Butocarboxim-sulfoxide (0.01)	Butoxycarboxim (0.01)	Carbaryl (0.01)
Carbendazim/Benomyl (sum) (0.005)	Carbofuran (0.01)	Carbofuran (Sum) ()	Carbosulfan (0.01)	Carfentrazone-ethyl (0.01)	Chlorantraniliprole (0.01)
Chlorfluazuron (0.01)	Chlorobenzuron (0.01)	Chlorpropham (0.01)	Chlorpyrifos (-ethyl) (0.01)	Chlorpyrifos-methyl (0.01)	Chromafenozide (0.01)
Clethodim (0.01)	Clofentezine (0.01)	Clomazone (0.01)	Clothianidin (0.01)	Cyazofamid (0.01)	Cymoxanil (0.01)
Cyproconazole (0.01)	Cyprodinil (0.01)	Cyromazine (0.01)	Demeton-S-methyl (0.01)	Demeton-S-methyl-sulfone (0.01)	Diazinon (0.01)
Diethofencarb (0.01)	Diethyl-m-toluamid (DEET) (0.01)	Difenoconazole (0.01)	Diflubenzuron (0.01)	Diflufenican (0.01)	Dimepiperate (0.01)
Dimethachlor (0.01)	Dimethoate (0.01)	Dimethoate/Omethoate (sum) ()	Dimethomorph (0.01)	Diniconazole (0.01)	Dinocap (0.01)
Dinotefuran (0.01)	Disulfoton (0.05)	Disulfoton sulfoxide (0.01)	Disulfoton-PS-sulfone (0.01)	Diuron (0.01)	Emamectin B1a (0.01)
Emamectin B1b (0.01)	Epoxiconazole (0.01)	Ethiofencarb (0.01)	Ethiofencarb (Sum) ()	Ethiofencarb-sulfone (0.01)	Ethiofencarb-sulfoxide (0.01)
Etofenprox (0.01)	Ethoprophos (0.01)	Ethoxyquin (0.01)	Fenarimol (0.01)	Fenazaquin (0.01)	Fenbuconazole (0.01)
Fenhexamid (0.01)	Fenobucarb (0.01)	Fenoxycarb (0.01)	Fenpropimorph (0.01)	Fenpyroximate (0.01)	Fensulfothion (0.01)
Fensulfothion-oxon-sulfone (0.01)	Fensulfothion-PS-sulfone (0.01)	Fenthion (0.01)	Fenthion (sum) ()	Fenthion-oxon (0.01)	Fenthion-oxon-sulfone (0.01)
Fenthion-oxon-sulfoxide (0.01)	Fenthion-PS-sulfoxide (0.01)	Fenthion-sulfone (0.01)	Fipronil (0.005)	Fipronil (sum) ()	Fipronil-sulfide (0.01)
Fipronil-sulfone (0.01)	Fluazifop-P-butyl (0.01)	Fluazinam (0.01)	Fludioxonil (0.01)	Flufenoxuron (0.01)	Fluopicolide (0.01)
Flusilazole (0.01)	Flutolanil (0.01)	FM-6-1 (0.01)	Fomesafen (0.01)	Forchlorfenuron (0.01)	Formetanate (0.01)
Fosthiazate (0.01)	Furathiocarb (0.01)	Hexaconazole (0.01)	Hexaflumuron (0.01)	Hexythiazox (0.01)	Imazalil (0.01)
Imibenconazole (0.01)	Imidacloprid (0.01)	Indoxacarb (0.01)	Iodosulfuron methyl (0.01)	Iprodione (0.01)	Iprovalicarb (0.01)
Isoprocarb (0.01)	Isoproturon (0.01)	Linuron (0.01)	Lufenuron (0.01)	Malathion (0.01)	Malathion (sum) ()
Mepanipyrim (0.01)	Metalaxyl (0.01)	Metamitron (0.01)	Methamidophos (0.01)	Methidathion (0.01)	Methiocarb (0.01)
Methiocarb (Sum) ()	Methiocarb-sulfone (0.01)	Methiocarb sulfoxide (0.01)	Methomyl (0.01)	Methoxyfenozide (0.01)	Metolachlor (0.01)
Metolcarb (0.01)	Monocrotophos (0.01)	Myclobutanil (0.01)	Napropamide (0.01)	Neburon (0.01)	Nicosulfuron (0.01)
Nitenpyram (0.01)	Novaluron (0.01)	Nuarimol (0.01)	Omethoate (0.01)	Oxadixyl (0.01)	Oxamyl (0.01)
Oxamyl-oxime (0.01)	Oxydemeton-methyl (0.01)	Oxydemeton-methyl (sum) ()	Paraoxon (0.01)	Paraoxon-methyl (0.01)	Penconazole (0.01)
Pencycuron (0.01)	Pendimethalin (0.01)	Phorate (Sum) ()	Phorate Sulfoxide (0.01)	Phorate-sulfone (0.01)	Phosalone (0.01)
Phosmet (0.01)	Phoxim (0.01)	Piperonyl butoxide (0.01)	Pirimicarb (0.01)	Pirimicarb-desmethyl (0.01)	Pirimicarb-Desmethylformamido (0.01)
Pirimiphos-methyl (0.01)	Primisulfuron-Methyl (0.01)	Prochloraz (0.01)	Procymidone (0.01)	Promecarb (0.01)	Propamocarb (0.01)
Propargite (0.01)	Propham (0.01)	Propiconazole (0.01)	Propoxur (0.01)	Propoxycarbazone (0.01)	Propyzamide (0.01)
Prosulfocarb (0.01)	Prosulfuron (0.01)	Pymetrozine (0.01)	Pyraclostrobin (0.01)	Chloridazon (0.01)	Pyrethrins (0.01)
Pyridaben (0.01)	Pyrimethanil (0.01)	Pyriproxyfen (0.01)	Quinoxyfen (0.01)	Resmethrin (0.01)	Rimsulfuron (0.01)
Rotenone (0.01)	Sethoxydim (0.01)	Simazine (0.01)	Simeconazole (0.01)	Spinosad (0.01)	Spinosyn A (0.01)
Spinosyn D (0.01)	Spirodiclofen (0.01)	Spiromesifen (0.01)	Spiroxamine (0.01)	Tebuconazole (0.01)	Tebufenozide (0.01)
Tebufenpyrad (0.01)	Teflubenzuron (0.01)	Tepraloxydim (0.01)	Tetraconazole (0.01)	Thiabendazole (0.01)	Thiacloprid (0.01)
Thiamethoxam (0.01)	Thifensulfuron methyl (0.01)	Thiodicarb (0.01)	Thiofanox sulfone (0.01)	Thiofanox sulfoxide (0.01)	Thiophanate-methyl (0.01)
Tolclofos-methyl (0.01)	Tralkoxydim (0.01)	Triadimefon (0.01)	Triadimenol (0.01)	Triasulfuron (0.01)	Triasulfuron methyl (0.01)
Tribenuron-methyl (0.01)	Trichlorfon (0.01)	Tridemorph (0.01)	Trifloxystrobin (0.01)	Trifloxysulfuron (0.01)	Triflumizol/FM-6-1 (Sum) ()
Triflumizole (0.01)	Triflumuron (0.01)	Triflusulfuron-methyl (0.01)	Vamidothion (0.01)	Vamidothion-sulfone (0.01)	Vamidothion-sulfoxide (0.01)
Zoxamide (0.01)					

SIGNATURE

Kevin Fu
Authorized Signatory

EXPLANATORY NOTE

LOQ: Limit of Quantification

< LOQ: Below Limit of Quantification ☆ means the test is subcontracted within Eurofins group

N/A means Not applicable * means the test is subcontracted outside Eurofins group

Sum compounds results are calculated from the results of each quantified compound as set by regulation

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Analytical Report

Sample Code	**128-2018-00011123**	**Report date**	**03-Jul-2018**
Certificate No.	**AR-18-VV-010986-01**		

Qufu Shengren Pharmaceutical Co.,Ltd
No.6 Shengwang Road, Shuyuan Industrial Park,
Qufu, Jining, Shandong Province, P.R.China
Fax 0086 537 4911578

Our reference:	128-2018-00011123 / AR-18-VV-010986-01
Client Sample Code:	20180503
Sample described as:	Refined Enzymatically treated stevia
Sample Packaging:	Sealed plastic bag
Sample reception date:	29-Jun-2018
Analysis starting date:	29-Jun-2018
Analysis ending date:	03-Jul-2018
Arrival Temperature (°C)	25.9
Sample Weight	100g

		Results	Unit	LOQ	LOD
☆ SU311	Pesticides Quechers	Method: BS EN 15662:2008			
Screened pesticides		Not Detected	mg/kg		
☆ SU312	Pesticides Quechers	Method: EN 15662:2008; BS EN 15662:2008			
Dimethomorph		<LOQ	mg/kg	0.01	
Other screened pesticides		Not Detected	mg/kg		

List of screened molecules (* = limit of quantification)

SU311 Pesticides Quechers (LOQ* mg/kg)

2-Phenylphenol (0.01)	Acetochlor (0.01)	Aclonifen (0.01)	Aldrin (0.01)	Ametryne (0.01)	Anthraquinone (0.01)
Azamethiphos (0.01)	Azinphos (0.01)	Benfluralin (0.01)	Bifenox (0.05)	Bifenthrin (0.01)	Biphenyl (0.01)
Bromfenvinfos (0.01)	Bromophos (0.01)	Bromophos-ethyl (0.01)	Bromopropylate (0.01)	Butachlor (0.01)	Butafenacil (0.01)
Cadusafos (0.01)	Captafol (0.05)	Captan (0.01)	Captan/THPI (Sum calculated as Captan) ()	Carbophenothion (0.01)	Carbophenothion-methyl (0.01)
Carbofuran (0.01)	Chlorbenside (0.01)	Chlordane (Sum) ()	Chlordane, alpha (0.01)	Chlordane, gamma (0.01)	Chlorfenapyr (0.01)
Chlorfenson (0.02)	Chlorfenvinphos (0.01)	Chlormephos (0.02)	Chlorobenzilate (0.01)	Chloroneb (0.01)	Chloropropylate (0.01)
Chlorothalonil (0.01)	Chlorpyrifos (-ethyl) (0.01)	Chlorpyrifos-methyl (0.01)	Chlorthal-dimethyl (0.01)	Chlorthion (0.02)	Chlozolinate (0.01)
Crufomate (0.02)	Cyanazine (0.02)	Cyanofenphos (0.01)	Cyanophos (0.02)	Cyfluthrin (0.02)	Cyhalothrin lambda- (0.01)
Cypermethrin (0.02)	Cyphenothrin (0.01)	DDD, o,p'- (0.01)	DDD, p,p'- (0.01)	DDE, o,p'- (0.01)	DDE, p,p'- (0.01)
DDT (Sum) ()	DDT, o,p'- (0.01)	DDT, p,p'- (0.01)	Deltamethrin (0.02)	Dichlobenil (0.02)	Dichlofenthion (0.01)
Dichlofluanid (0.01)	Dicloran (0.01)	Dichlorobenzophenone o,p' (0.01)	Dichlorobenzophenone p,p' (0.01)	Dichlorvos (0.01)	Dicofol (Sum) ()
Dicofol, o,p'- (0.01)	Dicofol, p,p'- (0.01)	Dieldrin (0.01)	Dieldrin (Sum) ()	Dienochlor (0.02)	Dinobuton (0.02)
Dioxabenzofos (0.02)	Dioxathion (0.02)	Diphenylamine (0.01)	Edifenphos (0.01)	Endosulfan (Sum) ()	Endosulfan, alpha- (0.01)
Endosulfan, beta- (0.01)	Endosulfan, sulfat- (0.01)	Endrin (0.01)	EPN (0.02)	Ethalfluralin (0.01)	Ethion (0.01)
Etridiazole (0.01)	Etrimfos (0.01)	Famoxadone (0.01)	Fenamiphos (0.01)	Fenchlorphos (0.01)	Fenchlorphos (sum) ()
Fenchlorphos oxon (0.01)	Fenfluthrin (0.01)	Fenitrothion (0.01)	Fenpropathrin (0.01)	Fenson (0.01)	Fenthion (0.01)
Fenvalerate & Esfenvalerate (Sum of RS&SR isomers) (0.01)	Fenvalerate & Esfenvalerate(sum of RR,SS,RS,SR) ()	Esfenvalerate(Sum of RR&SS isomers) (0.01)	Fluchloralin (0.02)	Flucythrinate (0.01)	Flumetralin (0.02)
Fluquinconazole (0.01)	Flusilazole (0.01)	Flutriafol (0.01)	Fluvalinate-tau (0.01)	Folpet (0.01)	Folpet/Pi (Sum calculated as Folpet) ()
Fonofos (0.01)	Formothion (0.02)	Halfenprox (0.01)	HCB (0.01)	HCH (Sum, without Lindan) ()	HCH gamma(Lindan) (0.01)
HCH, alpha- (0.01)	HCH, beta- (0.01)	HCH, delta- (0.01)	HCH, epsilon- (0.01)	Heptachlor (0.01)	Heptachlor (Sum) ()
Heptachlor epoxide cis (0.01)	Heptachlor epoxide trans (0.01)	Heptenophos (0.01)	Iprobenfos (0.01)	Isazofos (0.01)	Isocarbophos (0.01)
Isodrin (0.01)	Isofenphos (0.01)	Isofenphos-methyl (0.01)	Isoprothiolane (0.01)	Jodfenphos (0.01)	Kresoxim-methyl (0.01)
Lindrin (0.01)	Malaoxon (0.01)	Malathion (Sum) ()	Mecarbam (0.01)	Mepronil (0.02)	Methacrifos (0.01)
Methiocarb (0.01)	Methoxychlor (0.01)	Methyl-Pentachlorophenylsulfide (0.01)	Metribuzin (0.01)	Mevinphos (0.01)	Mirex (0.01)
N-Desethyl-pirimiphos-methyl (0.01)	Nitrapyrin (0.01)	Nitrofen (0.01)	Nitrothal-isopropyl (0.01)	Octachlorodipropyl ether ((9-421) (0.01)	Ofurace (0.01)
Oxadiazon (0.01)	Oxychlordane (0.01)	Oxyfluorfen (0.01)	Paclobutrazol (0.01)	Parathion (0.02)	Parathion-methyl (0.02)
PCB 101 (0.01)	PCB 118 (0.01)	PCB 138 (0.01)	PCB 153 (0.01)	PCB 180 (0.01)	PCB 28 (0.01)
PCB 52 (0.01)	Pentachloroaniline (0.01)	Pentachloroanisole (0.01)	Pentachlorobenzene (0.01)	Permethrin (0.01)	Phenkapton (0.02)
Phenothrin (0.01)	Phenthoate (0.01)	Phorate (0.01)	Phosphamidon (0.01)	Phthalimid (PI) (0.01)	Picoxystrobin (0.01)
Piperophos (0.01)	Pirimiphos-ethyl (0.01)	Procymidone (0.01)	Profenofos (0.01)	Profluralin (0.01)	Prometryn (0.01)
Propanil (0.01)	Propazine (0.01)	Prothiofos (0.01)	Pyrazophos (0.01)	Pyridaphenthion (0.01)	Pyrifenox (0.01)
Pyrimethanil (0.01)	Pyrimethanil (0.01)	Quinalphos (0.01)	Quinoxyfen (0.01)	Quizalofop-P-ethyl (0.01)	Silafluofen (0.01)
Sulfotep (0.01)	Tebufenpyrad (0.01)	Tecnazene (0.01)	Tefluthrin (0.01)	Terbufos (0.01)	Tetrachlorvinphos (0.01)
Tetradifon (0.01)	Tetramethrin (0.01)	Tetrasul (0.01)	Tetrahydrophthalimide (THPI) (0.01)	Tolylfluanid (0.01)	Triallate (0.01)
Triazamate (0.01)	Triazophos (0.01)	Trichloronat (0.01)	Trifluralin (0.01)	Triticonazole (0.01)	Uniconazole (0.02)

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SU311 **Pesticides Quechers (LOQ* mg/kg)**

Vinclozolin (0.01)

SU312 **Pesticides Quechers (LOQ* mg/kg)**

2,4'-Formoxylidid (Amitraz Metabolite) (0.01)	3,4,5-Trimethacarb (0.01)	3-Hydroxycarbofuran (0.01)	4-CPA (0.01)	Abamectin (Sum) ()	Acephate (0.01)
Acetamiprid (0.01)	Aclbenzolar-s-methyl (0.01)	Acifluorfen (0.01)	Acrinathrin (0.01)	Alachlor (0.01)	Aldicarb (0.01)
Aldicarb (Sum) ()	Aldicarb-sulfone (0.01)	Aldicarb-sulfoxide (0.01)	Amitraz (sum) ()	Amitraz (0.01)	Asulam (0.01)
Avermectin B1a (0.01)	Avermectin B1b (0.01)	Azinsulfuron (0.01)	Azinphos-ethyl (0.01)	Azinphos-methyl (0.01)	Azoxystrobin (0.01)
Benalaxyl (0.01)	Bendiocarb (0.01)	Benoxacor (0.01)	Bensulfuron- methyl (0.01)	Bentazone (0.01)	Bitertanol (0.01)
Boscalid (0.01)	Bromoxynil (0.01)	Bromuconazole ()	Bromuconazole, cis- (0.01)	Bromuconazole, trans- (0.01)	Buprimate (0.01)
Buprofezin (0.01)	Butoxycarboxim (0.05)	Butoxycarboxim (Sum) ()	Butoxycarboxim-sulfoxide (0.01)	Butoxycarboxim (0.01)	Carbaryl (0.01)
Carbendazim/Benomyl (sum) (0.005)	Carbofuran (0.01)	Carbofuran (Sum) ()	Carbosulfan (0.01)	Carfentrazone-ethyl (0.01)	Chloramtranilprole (0.01)
Chlorfluazuron (0.01)	Chlorobenzuron (0.01)	Chloropropham (0.01)	Chlorpyrifos (-ethyl) (0.01)	Chlorpyrifos-methyl (0.01)	Chromafenozide (0.01)
Clethodim (0.01)	Clofentezine (0.01)	Clomazone (0.01)	Clothianidin (0.01)	Cyazofamid (0.01)	Cymoxanil (0.01)
Cyproconazole (0.01)	Cyprodinil (0.01)	Cyromazine (0.01)	Demeton-S-methyl (0.01)	Demeton-S-methyl-sulfone (0.01)	Diazinon (0.01)
Diethofencarb (0.01)	Diethyl-m-toluamid (DEET) (0.01)	Difenoconazole (0.01)	Diflubenzuron (0.01)	Diflufenican (0.01)	Dimepiperate (0.01)
Dimethachlor (0.01)	Dimethoate (0.01)	Dimethomorph (0.01)	Diniconazole (0.01)	Dinocap (0.01)	Dinotefuran (0.01)
Disulfoton (0.05)	Disulfoton sulfoxide (0.01)	Disulfoton-PSI-sulfone (0.01)	Diuron (0.01)	Emamectin B1a (0.01)	Emamectin B1b (0.01)
Epoxiconazole (0.01)	Ethiofencarb (0.01)	Ethiofencarb (Sum) ()	Ethiofencarb-sulfone (0.01)	Ethiofencarb-sulfoxide (0.01)	Etofenprox (0.01)
Ethoprophos (0.01)	Ethoxyquin (0.01)	Fenarimol (0.01)	Fenazaquin (0.01)	Fenbuconazole (0.01)	Fenhexamid (0.01)
Fenobucarb (0.01)	Fenoxycarb (0.01)	Fenpropimorph (0.01)	Fenpyroximate (0.01)	Fensulfothion (0.01)	Fensulfothion-oxon-sulfone (0.01)
Fensulfothion-PSI-sulfone (0.01)	Fenthion (0.01)	Fenthion (sum) ()	Fenthion-oxon (0.01)	Fenthion-oxon-sulfone (0.01)	Fenthion-oxon-sulfoxide (0.01)
Fenthion-PSI-sulfoxide (0.01)	Fenthion-sulfone (0.01)	Fipronil (0.005)	Fipronil (sum) ()	Fipronil-sulfide (0.01)	Fipronil-sulfone (0.01)
Flutolfop-P-butyl (0.01)	Fluazinam (0.01)	Fludioxonil (0.01)	Flufenoxuron (0.01)	Fluopicolide (0.01)	Flusilazole (0.01)
Flutolanil (0.01)	FM-6-1 (0.01)	Fonesafen (0.01)	Forchlorfenuron (0.01)	Formetanate (0.01)	Fosthiazate (0.01)
Furathiocarb (0.01)	Hexaconazole (0.01)	Hexaflumuron (0.01)	Hexythiazox (0.01)	Imazalil (0.01)	Imibenconazole (0.01)
Imidacloprid (0.01)	Indoxacarb (0.01)	Iodosulfuron methyl (0.01)	Iprodione (0.01)	Iprovalicarb (0.01)	Isoprocarb (0.01)
Isoproturon (0.01)	Linuron (0.01)	Lufenuron (0.01)	Malathion (0.01)	Malathion (Sum) ()	Mepanipyrim (0.01)
Metalaxyl (0.01)	Metamitron (0.01)	Methamidophos (0.01)	Methidathion (0.01)	Methiocarb (0.01)	Methiocarb (Sum) ()
Methiocarb-sulfone (0.01)	Methiocarb-sulfoxide (0.01)	Methomyl (0.01)	Methoxyfenozide (0.01)	Metolachlor (0.01)	Metolcarb (0.01)
Monocrotophos (0.01)	Myclobutanil (0.01)	Napropamide (0.01)	Neburon (0.01)	Nicosulfuron (0.01)	Nitenpyram (0.01)
Novaluron (0.01)	Nuarimol (0.01)	Omethoate (0.01)	Oxadixyl (0.01)	Oxamyl (0.01)	Oxamyl-oxime (0.01)
Oxydemeton-methyl (0.01)	Oxydemeton-methyl (sum) ()	Paraoxon (0.01)	Paraoxon-methyl (0.01)	Penconazole (0.01)	Pencycuron (0.01)
Pendimethalin (0.01)	Phorate (Sum) ()	Phorate Sulfoxide (0.01)	Phorate-sulfone (0.01)	Phosalone (0.01)	Phosmet (0.01)
Phoxim (0.01)	Piperonyl butoxide (0.01)	Pirimicarb (0.01)	Pirimicarb-desmethyl (0.01)	Pirimicarb-Desmethylformamido (0.01)	Pirimiphos-methyl (0.01)
Primisulfuron-methyl (0.01)	Prochloraz (0.01)	Procymidone (0.01)	Promecarb (0.01)	Propamocarb (0.01)	Propargite (0.01)
Propham (0.01)	Propiconazole (0.01)	Propoxur (0.01)	Propoxycarbazone (0.01)	Propyzamide (0.01)	Prosulfocarb (0.01)
Prosulfuron (0.01)	Pymetrozine (0.01)	Pyraclostrobin (0.01)	Chloridazon (0.01)	Pyrethrins (0.01)	Pyridaben (0.01)
Pyrimethanil (0.01)	Pyriproxyfen (0.01)	Quinoxyfen (0.01)	Resmethrin (0.01)	Rimsulfuron (0.01)	Rotenone (0.01)
Sethoxydim (0.01)	Simazine (0.01)	Silthiopham (0.01)	Spinosad (0.01)	Spinosyn A (0.01)	Spinosyn D (0.01)
Spirodiclofen (0.01)	Spiromesifen (0.01)	Spiroxamine (0.01)	Tebuconazole (0.01)	Tebufenozide (0.01)	Tebufenpyrad (0.01)
Teflubenzuron (0.01)	Tepraloxydim (0.01)	Tetraconazole (0.01)	Thiabendazole (0.01)	Thiacloprid (0.01)	Thiamethoxam (0.01)
Thifensulfuron methyl (0.01)	Thiodicarb (0.01)	Thiofanox sulfone (0.01)	Thiofanox sulfoxide (0.01)	Thiophanate-methyl (0.01)	Tolclofos-methyl (0.01)
Trialkoxydim (0.01)	Triadimefon (0.01)	Triadimenol (0.01)	Tribenuron (0.01)	Tribenuron methyl (0.01)	Tribenuron-methyl (0.01)
Trichlorfon (0.01)	Tridemorph (0.01)	Trifloxystrobin (0.01)	Triflusulfuron (0.01)	Triflumizole/FM-6-1 (Sum) ()	Triflumizole (0.01)
Triflumuron (0.01)	Trifluasulfuron-methyl (0.01)	Vamidothion (0.01)	Vamidothion-sulfone (0.01)	Vamidothion-sulfoxide (0.01)	Zoxamide (0.01)

SIGNATURE

Kevin Fu
Authorized Signatory

EXPLANATORY NOTE

LOQ: Limit of Quantification
< LOQ: Below Limit of Quantification
N/A means Not applicable
☆ means the test is subcontracted within Eurofins group
• means the test is subcontracted outside Eurofins group
Sum compounds results are calculated from the results of each quantified compound as set by regulation

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Analytical Report

Sample Code	128-2018-00011122	Report date	03-Jul-2018
Certificate No.	AR-18-VV-010985-01		

Qufu Shengren Pharmaceutical Co.,Ltd
No.6 Shengwang Road, Shuyuan Industrial Park,
Qufu, Jining, Shandong Province, P.R.China
Fax 0086 537 4911578

Our reference:	128-2018-00011122 / AR-18-VV-010985-01
Client Sample Code:	20180601
Sample described as:	Glucosyl Steviol Glycosides95%
Sample Packaging:	Sealed plastic bag
Sample reception date:	29-Jun-2018
Analysis starting date:	29-Jun-2018
Analysis ending date:	03-Jul-2018
Arrival Temperature (°C)	25.9
Sample Weight	100g

		Results	Unit	LOQ	LOD
☆ SU311	Pesticides Quechers	Method: BS EN 15662:2008			
Screened pesticides		Not Detected	mg/kg		
☆ SU312	Pesticides Quechers	Method: EN 15662:2008; BS EN 15662:2008			
Dimethomorph		<LOQ	mg/kg	0.01	
Other screened pesticides		Not Detected	mg/kg		

List of screened molecules (* = limit of quantification)

SU311 Pesticides Quechers (LOQ* mg/kg)

2-Phenylphenol (0.01), Acetochlor (0.01), Aclonifen (0.01), Aldrin (0.01), Anthraquinone (0.01), Azaconazole (0.04), Azinphos (0.01), Benfluralin (0.01), Bifenox (0.05), Bifenthrin (0.01), Biphenyl (0.01), Bromfenvinfos (0.01), Bromophos (0.01), Bromophos-ethyl (0.01), Bromopropylate (0.01), Butachlor (0.01), Butafenacil (0.01), Cadusafos (0.01), Captafol (0.05), Captan (0.01), Captan/THPI (Sum calculated as Captan) (), Carbophenothion (0.01), Carbophenothion-methyl (0.01), Carbofuran (0.01), Chlorbenside (0.01), Chlordane (Sum) (), Chlordane, alpha (0.01), Chlordane, gamma (0.01), Chlorfenapyr (0.01), Chlorfenson (0.02), Chlorfenvinphos (0.01), Chlormephos (0.02), Chloroneb (0.01), Chloropropylate (0.01), Chlorothalonil (0.01), Chlorpyrifos (-ethyl) (0.01), Chlorpyrifos-methyl (0.01), Chlorthal-dimethyl (0.01), Chlorthion (0.02), Chlozolinate (0.01), Crufomate (0.02), Cyanazine (0.02), Cyanofenphos (0.01), Cyanophos (0.02), Cyfluthrin (0.02), Cyhalothrin lambda- (0.01), Cypermethrin (0.02), Cyphenothrin (0.01), DDD, o,p'- (0.01), DDD, p,p'- (0.01), DDE, o,p'- (0.01), DDE, p,p'- (0.01), DDT (Sum) (), DDT, o,p'- (0.01), DDT, p,p'- (0.01), Deltamethrin (0.02), Dichlobenil (0.02), Dichlofenthion (0.01), Dichlofluanid (0.01), Dicloran (0.01), Dichlorobenzophenone o,p' (0.01), Dichlorobenzophenone p,p' (0.01), Dichlorvos (0.01), Diclofol (Sum) (), Dicofol, o,p'- (0.01), Dicofol, p,p'- (0.01), Dieldrin (0.01), Dienochlor (0.02), Dinobuton (0.02), Dioxabenzofos (0.02), Dioxathion (0.02), Diphenylamine (0.01), Edifenphos (0.01), Endosulfan (Sum) (), Endosulfan, alpha- (0.01), Endosulfan, beta- (0.01), Endosulfan, sulfat- (0.01), Endrin (0.01), EPN (0.02), Ethalfluralin (0.01), Ethion (0.01), Etridiazole (0.01), Etrimfos (0.01), Famoxadone (0.01), Fenamiphos (0.01), Fenchlorphos (Sum) (), Fenchlorphos-oxon (0.01), Fenfluthrin (0.01), Fenitrothion (0.01), Fenpropathrin (0.01), Fenson (0.01), Fenthion (0.01), Fenvalerate & Esfenvalerate (Sum of RR&SS isomers) (0.01), Fenvalerate & Esfenvalerate(sum of RR,SS,RS,SR) (), Fenvalerate & Esfenvalerate(Sum of RR&SS isomers) (0.01), Fluacrypyrim (0.01), Fluazinam (0.01), Fluquinconazole (0.01), Flusilazole-tau (0.01), Flutriafol (0.01), Fluvalinate-tau (0.01), Folpet (0.01), Folpet(R) (Sum calculated as Folpet) (), Fonofos (0.01), Formothion (0.02), Halfenprox (0.01), HCB (0.01), HCH (Sum, without Lindan) (), HCH gamma(Lindan) (0.01), HCH, alpha- (0.01), HCH, beta- (0.01), HCH, delta- (0.01), HCH, epsilon- (0.01), Heptachlor (0.01), Heptachlor (Sum) (), Heptachlor epoxide cis (0.01), Heptachlor epoxide trans (0.01), Heptenophos (0.01), Isazofos (0.01), Isocarbophos (0.01), Isodrin (0.01), Isofenphos (0.01), Isofenphos-methyl (0.01), Isoprothiolane (0.01), Jodfenphos (0.01), Kresoxim-methyl (0.01), Lindrin (0.01), Malaoxon (0.01), Malathion (Sum) (), Mecarbam (0.01), Mepronil (0.02), Methacrifos (0.01), Methidathion (0.01), Methoxychlor (0.01), Methyl-Pentachlorophenylsulfide (0.01), Metribuzin (0.01), Mevinphos (0.01), Mirex (0.01), N-Desethyl-pirimiphos-methyl (0.01), Nitrapyrin (0.01), Nitrofen (0.01), Nitrothal-isopropyl (0.01), Octachlorodipropyl ether (S-421) (0.01), Ofurace (0.01), Oxadiazon (0.01), Oxychlordane (0.01), Oxyfluorfen (0.01), Paclobutrazol (0.01), Parathion (0.02), Parathion-methyl (0.02), PCB 101 (0.01), PCB 118 (0.01), PCB 138 (0.01), PCB 153 (0.01), PCB 180 (0.01), PCB 28 (0.01), PCB 52 (0.01), Pentachloroaniline (0.01), Pentachlorobenzene (0.01), Permethrin (0.01), Phenkapton (0.02), Phenothrin (0.01), Phenthoate (0.01), Phorate (0.01), Phosphamidon (0.01), Phthalimid (PI) (0.01), Picoxystrobin (0.01), Piperophos (0.01), Pirimiphos-ethyl (0.01), Procymidone (0.01), Profenofos (0.01), Profluralin (0.01), Prometryn (0.01), Propanil (0.01), Propazine (0.01), Prothiofos (0.01), Pyrazophos (0.01), Pyridalyl (0.01), Pyridaphenthion (0.01), Pyrifenox (0.01), Pyrimethanil (0.01), Quinalphos (0.01), Quinoxyfen (0.01), Quizalofop-P-ethyl (0.01), Silafluofen (0.01), Sulfotep (0.01), Tecloftalam (0.01), Tecnazene (0.01), Teflubenzuron (0.01), Tefluthrin (0.01), Terbufos (0.01), Tetrachlorvinphos (0.01), Tetradifon (0.01), Tetramethrin (0.01), Tetrasul (0.01), Tetrahydrophthalimide (THPI) (0.01), Tolylfluanid (0.01), Triallate (0.01), Triazamate (0.01), Triazophos (0.01), Trichloronat (0.01), Trifluralin (0.01), Triticonazole (0.01), Uniconazole (0.02)

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SU311 **Pesticides Quechers (LOQ* mg/kg)**

Vinclozolin (0.01)

SU312 **Pesticides Quechers (LOQ* mg/kg)**

2,4'-Formoxylidid (Amitraz Metabolite) (0.01)	3,4,5-Trimethacarb (0.01)	3-Hydroxycarbofuran (0.01)	4-CPA (0.01)	Abamectin (sum) ()	Acephate (0.01)
Acetamiprid (0.01)	Azibenzolar-s-methyl (0.01)	Azifluorfen (0.01)	Azimethiln (0.01)	Alachlor (0.01)	Aldicarb (0.01)
Aldicarb (sum) ()	Aldicarb-sulfone (0.01)	Aldicarb-sulfoxide (0.01)	Amitraz (sum) ()	Amitraz (0.01)	Asulam (0.01)
Avermectin B1a (0.01)	Avermectin B1b (0.01)	Azimsulfuron (0.01)	Azinphos-ethyl (0.01)	Azinphos-methyl (0.01)	Azoxystrobin (0.01)
Benalaxyl (0.01)	Bendiocarb (0.01)	Benoxacor (0.01)	Bensulfuron- methyl (0.01)	Benzazone (0.01)	Bitertanol (0.01)
Boscalid (0.01)	Bromoxynil (0.01)	Bromuconazole (sum) ()	Bromuconazole, cis- (0.01)	Bromuconazole, trans- (0.01)	Bupirimate (0.01)
Buprofezin (0.01)	Butocarboxim (0.05)	Butoxarboxim (sum) ()	Butocarboxim-sulfoxide (0.01)	Butoxycarboxim (0.01)	Carbaryl (0.01)
Carbendazim/Benomyl (sum) (0.005)	Carbofuran (0.01)	Carbofuran (sum) ()	Carbosulfan (0.01)	Carfentrazone-ethyl (0.01)	Chlorantraniliprole (0.01)
Chlorfluazuron (0.01)	Chlorobenzuron (0.01)	Chloropicrin (0.01)	Chlorpyrifos (-ethyl) (0.01)	Chlorpyrifos-methyl (0.01)	Chromafenozide (0.01)
Clethodim (0.01)	Clofentezine (0.01)	Clomazone (0.01)	Clothianidin (0.01)	Cyazofamid (0.01)	Cymoxanil (0.01)
Cyproconazole (0.01)	Cyprodinil (0.01)	Cyromazine (0.01)	Demeton-S-methyl (0.01)	Demeton-S-methyl-sulfone (0.01)	Diazinon (0.01)
Diethofencarb (0.01)	Diethyl-m-toluamid (DEET) (0.01)	Difenoconazole (0.01)	Diflubenzuron (0.01)	Diflufenican (0.01)	Dimepiperate (0.01)
Dimethachlor (0.01)	Dimethoate (0.01)	Dimethomorph (0.01)	Diniconazole (0.01)	Dinocap (0.01)	Dinotefuran (0.01)
Disulfoton (0.05)	Disulfoton sulfoxide (0.01)	Disulfoton-PS-sulfone (0.01)	Diuron (0.01)	Emamectin B1a (0.01)	Emamectin B1b (0.01)
Epoxiconazole (0.01)	Ethiofencarb (0.01)	Ethiofencarb (sum) ()	Ethiofencarb-sulfone (0.01)	Ethiofencarb-sulfoxide (0.01)	Ethiprole (0.01)
Ethoprophos (0.01)	Ethoxyquin (0.01)	Fenamiros (0.01)	Fenazaquin (0.01)	Fenbuconazole (0.01)	Fenhexamid (0.01)
Fenobucarb (0.01)	Fenoxycarb (0.01)	Fenpropimorph (0.01)	Fenpyroximate (0.01)	Fensulfothion (0.01)	Fensulfothion-oxon-sulfone (0.01)
Fensulfothion-PS-sulfone (0.01)	Fenthion (0.01)	Fenthion (sum) ()	Fenthion-oxon (0.01)	Fenthion-oxon-sulfone (0.01)	Fenthion-oxon-sulfoxide (0.01)
Fenthion-PS-sulfoxide (0.01)	Fenthion-sulfone (0.01)	Fipronil (0.005)	Fipronil (sum) ()	Fipronil-sulfide (0.01)	Fipronil-sulfone (0.01)
Fluazifop-P-butyl (0.01)	Fluazinam (0.01)	Fludioxonil (0.01)	Flufenoxuron (0.01)	Fluopicolide (0.01)	Fluquinconazole (0.01)
Flutolanil (0.01)	FM-6-1 (0.01)	Fomesafen (0.01)	Forchlorfenuron (0.01)	Formetanate (0.01)	Fosthiazate (0.01)
Furathiocarb (0.01)	Hexaconazole (0.01)	Hexaflumuron (0.01)	Hexythiazox (0.01)	Imazalil (0.01)	Imibenconazole (0.01)
Imidacloprid (0.01)	Indoxacarb (0.01)	Iodosulfuron- methyl (0.01)	Iprodione (0.01)	Iprovalicarb (0.01)	Isoprocarb (0.01)
Isoproturon (0.01)	Linuron (0.01)	Lufenuron (0.01)	Malathion (0.01)	Malathion (sum) ()	Mepanipyrim (0.01)
Metalaxyl (0.01)	Metamitron (0.01)	Methamidophos (0.01)	Methidathion (0.01)	Methiocarb (0.01)	Methiocarb (sum) ()
Methoxyfenozide (0.01)	Methoxyfenozide (0.01)	Methomyl (0.01)	Methoxyfenozide (0.01)	Metolachlor (0.01)	Metsulfuron (0.01)
Monocrotophos (0.01)	Myclobutanil (0.01)	Napropamide (0.01)	Neburon (0.01)	Nicosulfuron (0.01)	Nitenpyram (0.01)
Novaluron (0.01)	Nuarimol (0.01)	Omethoate (0.01)	Oxadixyl (0.01)	Oxamyl (0.01)	Oxamyl-oxime (0.01)
Oxydemeton-methyl (0.01)	Oxydemeton-methyl (sum) ()	Paraoxon (0.01)	Paraoxon-methyl (0.01)	Penconazole (0.01)	Pencycuron (0.01)
Pendimethalin (0.01)	Phorate (sum) ()	Phorate Sulfoxide (0.01)	Phorate-sulfone (0.01)	Phosalone (0.01)	Phosmet (0.01)
Phoxim (0.01)	Piperonyl butoxide (0.01)	Pirimicarb (0.01)	Pirimicarb-desmethyl (0.01)	Pirimicarb-Desmethylformamido (0.01)	Pirimiphos-methyl (0.01)
Primisulfuron-Methyl (0.01)	Prochloraz (0.01)	Procymidone (0.01)	Promecarb (0.01)	Propamocarb (0.01)	Propargite (0.01)
Propham (0.01)	Propiconazole (0.01)	Propoxur (0.01)	Propoxycarbazone (0.01)	Propyzamide (0.01)	Prosulfocarb (0.01)
Prosulfuron (0.01)	Pymetrozine (0.01)	Pyraclostrobin (0.01)	Chloridazon (0.01)	Pyrethrins (0.01)	Pyridaben (0.01)
Pyrimethanil (0.01)	Pyriproxyfen (0.01)	Quinoxyfen (0.01)	Resmethrin (0.01)	Rimsulfuron (0.01)	Rotenone (0.01)
Sethoxydim (0.01)	Simazine (0.01)	Simeconazole (0.01)	Spinosad (0.01)	Spinosyn A (0.01)	Spinosyn D (0.01)
Spirodiclofen (0.01)	Spiromesifen (0.01)	Spirotetramine (0.01)	Tebuconazole (0.01)	Tebufenozide (0.01)	Tebufenpyrad (0.01)
Teflubenzuron (0.01)	Tepraloxydim (0.01)	Tetraconazole (0.01)	Thiabendazole (0.01)	Thiacloprid (0.01)	Thiamethoxam (0.01)
Thifensulfuron methyl (0.01)	Thiodicarb (0.01)	Thiofanox sulfone (0.01)	Thiofanox sulfoxide (0.01)	Thiophanate-methyl (0.01)	Tolclofos-methyl (0.01)
Triadimefon (0.01)	Triadimenol (0.01)	Triadimenol (0.01)	Triasulfuron (0.01)	Triasulfuron methyl (0.01)	Tribenuron-methyl (0.01)
Trichlorfon (0.01)	Tridemorph (0.01)	Trifloxystrobin (0.01)	Trifloxysulfuron (0.01)	Triflumizole/FM-6-1 (sum) ()	Triflumizole (0.01)
Triflumuron (0.01)	Trifluasulfuron- methyl (0.01)	Vamidothion (0.01)	Vamidothion-sulfone (0.01)	Vamidothion-sulfoxide (0.01)	Zoxamide (0.01)

SIGNATURE

Kevin Fu
Authorized Signatory

EXPLANATORY NOTE

LOQ: Limit of Quantification
< LOQ: Below Limit of Quantification
N/A means Not applicable
☆ means the test is subcontracted within Eurofins group
• means the test is subcontracted outside Eurofins group
Sum compounds results are calculated from the results of each quantified compound as set by regulation

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Analytical Report

Sample Code	128-2018-00011124	Report date	03-Jul-2018
Certificate No.	AR-18-VV-011026-01		

Qufu Shengren Pharmaceutical Co.,Ltd
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Qufu, Jining, Shandong Province, P.R.China
Fax 0086 537 4911578

Our reference:	128-2018-00011124 / AR-18-VV-011026-01
Client Sample Code:	20180602
Sample described as:	Refined Enzymatically treated stevia
Sample Packaging:	Sealed plastic bag
Sample reception date:	29-Jun-2018
Analysis starting date:	29-Jun-2018
Analysis ending date:	03-Jul-2018
Arrival Temperature (°C)	25.9
Sample Weight	100g

		Results	Unit	LOQ	LOD
☆ SU311	Pesticides Quechers	Method: BS EN 15662:2008			
Screened pesticides		Not Detected	mg/kg		
☆ SU312	Pesticides Quechers	Method: EN 15662:2008; BS EN 15662:2008			
Dimethomorph		<LOQ	mg/kg	0.01	
Other screened pesticides		Not Detected	mg/kg		

List of screened molecules (* = limit of quantification)

SU311 Pesticides Quechers (LOQ* mg/kg)

2-Phenylphenol (0.01), Acetochlor (0.01), Aclonifen (0.01), Aldrin (0.01), Anthraquinone (0.01), Azaconazole (0.04), Azinphos (0.01), Benfluralin (0.01), Bifenox (0.05), Bifenthrin (0.01), Biphenyl (0.01), Bromfenvinfos (0.01), Bromophos (0.01), Bromophos-ethyl (0.01), Bromopropylate (0.01), Butachlor (0.01), Butafenacil (0.01), Cadusafos (0.01), Captafol (0.05), Captan (0.01), Captan/THPI (Sum calculated as Captan) (), Carbophenothion (0.01), Carbophenothion-methyl (0.01), Carbofuran (0.01), Chlorbenside (0.01), Chlordane (Sum) (), Chlordane, alpha (0.01), Chlordane, gamma (0.01), Chlorfenapyr (0.01), Chlorfenson (0.02), Chlorfenvinphos (0.01), Chlormephos (0.02), Chloroneb (0.01), Chloropropylate (0.01), Chlorothalonil (0.01), Chlorpyrifos (-ethyl) (0.01), Chlorpyrifos-methyl (0.01), Chlorthal-dimethyl (0.01), Chlorthion (0.02), Chlozolinate (0.01), Clofibrate (0.01), Cyanazine (0.02), Cyanofenphos (0.01), Cyanophos (0.02), Cyfluthrin (0.02), Cyhalothrin lambda- (0.01), Cypermethrin (0.02), Cyphenothrin (0.01), DDD, o,p'- (0.01), DDD, p,p'- (0.01), DDE, o,p'- (0.01), DDE, p,p'- (0.01), DDT (Sum) (), DDT, o,p'- (0.01), DDT, p,p'- (0.01), Deltamethrin (0.02), Dichlobenil (0.02), Dichlofenthion (0.01), Dicofol (Sum) (), Dicloran (0.01), Dichlorobenzophenone o,p' (0.01), Dichlorobenzophenone p,p' (0.01), Dichlorvos (0.01), Diclofol, o,p'- (0.01), Diclofol, p,p'- (0.01), Dieldrin (0.01), Dieldrin (Sum) (), Dienochlor (0.02), Dinobuton (0.02), Dioxabenzofos (0.02), Dioxathion (0.02), Diphenylamine (0.01), Edifenphos (0.01), Endosulfan (Sum) (), Endosulfan, alpha- (0.01), Endosulfan, beta- (0.01), Endosulfan, sulfat- (0.01), Endrin (0.01), EPN (0.02), Ethalfluralin (0.01), Ethion (0.01), Etridiazole (0.01), Etrimfos (0.01), Famoxadone (0.01), Fenamiphos (0.01), Fenchlorphos (0.01), Fenchlorphos (sum) (), Fenchlorphos-oxon (0.01), Fenfluthrin (0.01), Fenitrothion (0.01), Fenpropathrin (0.01), Fenson (0.01), Fenthion (0.01), Fenvalerate & Esfenvalerate (Sum of RR&SS isomers) (0.01), Fenvalerate & Esfenvalerate(sum of RR,SS,RS,SR) (), Fenvalerate & Esfenvalerate(Sum of RR&SS isomers) (0.01), Fluacrypyrim (0.01), Fluazinam (0.01), Fluazinam-tau (0.01), Fluvalinate-tau (0.01), Folpet (0.01), Folpet(R) (Sum calculated as Folpet) (), Fonofos (0.01), Formothion (0.02), Halfenprox (0.01), HCB (0.01), HCH (Sum, without Lindan) (), HCH gamma(Lindan) (0.01), HCH, alpha- (0.01), HCH, beta- (0.01), HCH, delta- (0.01), HCH, epsilon- (0.01), Heptachlor (0.01), Heptachlor (Sum) (), Heptachlor epoxide cis (0.01), Heptachlor epoxide trans (0.01), Heptenophos (0.01), Iprobenfos (0.01), Isazofos (0.01), Isocarbophos (0.01), Isodrin (0.01), Isofenphos (0.01), Isofenphos-methyl (0.01), Isoprothiolane (0.01), Jodfenphos (0.01), Kresoxim-methyl (0.01), Landrin (0.01), Malaoxon (0.01), Malathion (Sum) (), Mecarbam (0.01), Mepronil (0.02), Methacrifos (0.01), Methidathion (0.01), Methoxychlor (0.01), Methyl-Pentachlorophenylsulfide (0.01), Metribuzin (0.01), Mevinphos (0.01), Mirex (0.01), N-Desethyl-pirimiphos-methyl (0.01), Nitrapyrin (0.01), Nitrofen (0.01), Nitrothal-isopropyl (0.01), Octachlorodipropyl ether (S-421) (0.01), Ofurace (0.01), Oxadiazon (0.01), Oxychlordane (0.01), Oxyfluorfen (0.01), Paclobutrazol (0.01), Parathion (0.02), Parathion-methyl (0.02), PCB 101 (0.01), PCB 118 (0.01), PCB 138 (0.01), PCB 153 (0.01), PCB 180 (0.01), PCB 28 (0.01), PCB 52 (0.01), Pentachloroaniline (0.01), Pentachlorobenzamide (0.01), Pentachlorobenzene (0.01), Permethrin (0.01), Phenkapton (0.02), Phenothrin (0.01), Phenthoate (0.01), Phorate (0.01), Phosphamidon (0.01), Phthalimid (PI) (0.01), Picoxystrobin (0.01), Piperophos (0.01), Pirimiphos-ethyl (0.01), Procymidone (0.01), Profenofos (0.01), Profluralin (0.01), Prometryn (0.01), Propanil (0.01), Propazine (0.01), Prothiofos (0.01), Pyrazophos (0.01), Pyridaphenthion (0.01), Pyridaphenthion (0.01), Pyrifenox (0.01), Pyrimethanil (0.01), Quinalphos (0.01), Quinoxyfen (0.01), Quizalofop-P-ethyl (0.01), Silafluofen (0.01), Silthiofam (0.01), Tebufenpyrad (0.01), Tecnazene (0.01), Teflubenzuron (0.01), Tetrachlorvinphos (0.01), Tetradifon (0.01), Tetramethrin (0.01), Tetrasul (0.01), Tetrahydrophthalimide (THPI) (0.01), Tolylfluanid (0.01), Triallate (0.01), Triazamate (0.01), Triazophos (0.01), Trichloronat (0.01), Trifluralin (0.01), Triticonazole (0.01), Uniconazole (0.02)

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SU311 Pesticides Quechers (LOQ* mg/kg)

Vinclozolin (0.01)

SU312 Pesticides Quechers (LOQ* mg/kg)

2,4'-Formoxylidid (Amitraz Metabolite) (0.01)	3,4,5-Trimethacarb (0.01)	3-Hydroxycarbofuran (0.01)	4-CPA (0.01)	Abamectin (sum) ()	Acephate (0.01)
Acetamiprid (0.01)	Aclbenzolar-s-methyl (0.01)	Aclfluorfen (0.01)	Acrinathrin (0.01)	Alachlor (0.01)	Aldicarb (0.01)
Aldicarb (sum) ()	Aldicarb-sulfone (0.01)	Aldicarb-sulfoxide (0.01)	Amitraz (sum) ()	Amitraz (0.01)	Asulam (0.01)
Avermectin B1a (0.01)	Avermectin B1b (0.01)	Azimsulfuron (0.01)	Azinphos-ethyl (0.01)	Azinphos-methyl (0.01)	Azoxystrobin (0.01)
Benalaxyl (0.01)	Bendiocarb (0.01)	Benoxacor (0.01)	Bensulfuron- methyl (0.01)	Bentazone (0.01)	Bitertanol (0.01)
Boscalid (0.01)	Bromoxynil (0.01)	Bromuconazole (sum) ()	Bromuconazole, cis- (0.01)	Bromuconazole, trans- (0.01)	Bupirimate (0.01)
Buprofezin (0.01)	Butocarboxim (0.05)	Butoxycarboxim (sum) ()	Butoxycarboxim-sulfoxide (0.01)	Butoxyvarboxim (0.01)	Carbaryl (0.01)
Carbendazim/Benomyl (sum) (0.005)	Carbofuran (0.01)	Carbofuran (sum) ()	Carbosulfan (0.01)	Carfentrazone-ethyl (0.01)	Chlorantraniliprole (0.01)
Chlorfluazuron (0.01)	Chlorobenzuron (0.01)	Chloropropham (0.01)	Chlorpyrifos (-ethyl) (0.01)	Chlorpyrifos-methyl (0.01)	Chromafenozide (0.01)
Clethodim (0.01)	Clofentezine (0.01)	Clomazone (0.01)	Clothianidin (0.01)	Cyazofamid (0.01)	Cymoxanil (0.01)
Cyproconazole (0.01)	Cyprodinil (0.01)	Cyromazine (0.01)	Demeton-S-methyl (0.01)	Demeton-S-methyl-sulfone (0.01)	Diazinon (0.01)
Diethofencarb (0.01)	Diethyl-m-toluamid (DEET) (0.01)	Difenoconazole (0.01)	Diflubenzuron (0.01)	Diflufenican (0.01)	Dimethipebate (0.01)
Dimethachlor (0.01)	Dimethoate (0.01)	Dimethomorph (0.01)	Diniconazole (0.01)	Dinocap (0.01)	Dinotefuran (0.01)
Disulfoton (0.05)	Disulfoton sulfoxide (0.01)	Disulfoton-PS-sulfone (0.01)	Diuron (0.01)	Emamectin B1a (0.01)	Emamectin B1b (0.01)
Epoxiconazole (0.01)	Ethiofencarb (0.01)	Ethiofencarb (Sum) ()	Ethiofencarb-sulfone (0.01)	Ethiofencarb-sulfoxide (0.01)	Ethiprox (0.01)
Ethoprophos (0.01)	Ethoxyquin (0.01)	Fenamiral (0.01)	Fenazaquin (0.01)	Fenbuconazole (0.01)	Fenhexamid (0.01)
Fenobucarb (0.01)	Fenoxycarb (0.01)	Fenpropimorph (0.01)	Fenpyroximate (0.01)	Fensulfothion (0.01)	Fensulfothion-oxon-sulfone (0.01)
Fensulfothion-PS-sulfone (0.01)	Fenthion (0.01)	Fenthion (sum) ()	Fenthion-oxon (0.01)	Fenthion-oxon-sulfone (0.01)	Fenthion-oxon-sulfoxide (0.01)
Fenthion-PS-sulfoxide (0.01)	Fenthion-sulfone (0.01)	Fipronil (0.005)	Fipronil (sum) ()	Fipronil-sulfide (0.01)	Fipronil-sulfone (0.01)
Fluazifop-P-butyl (0.01)	Fluazinam (0.01)	Fludioxonil (0.01)	Flufenoxuron (0.01)	Fluopicolide (0.01)	Fluquinconazole (0.01)
Flutolanil (0.01)	FM-6-1 (0.01)	Fomesafen (0.01)	Forchlorfenuron (0.01)	Formetanate (0.01)	Fosthiazate (0.01)
Furathiocarb (0.01)	Hexaconazole (0.01)	Hexaflumuron (0.01)	Hexythiazox (0.01)	Imazalil (0.01)	Imibenconazole (0.01)
Imidacloprid (0.01)	Indoxacarb (0.01)	Iodosulfuron- methyl (0.01)	Iprodione (0.01)	Iprovalicarb (0.01)	Isoprocarb (0.01)
Isoproturon (0.01)	Linuron (0.01)	Lufenuron (0.01)	Malathion (0.01)	Malathion (Sum) ()	Mepanipyrim (0.01)
Metalaxyl (0.01)	Metamitron (0.01)	Methamidophos (0.01)	Methidathion (0.01)	Methiocarb (0.01)	Methiocarb (Sum) ()
Methiocarb-sulfone (0.01)	Methiocarb-sulfoxide (0.01)	Methomyl (0.01)	Methoxyfenozide (0.01)	Metolachlor (0.01)	Metsulfuron (0.01)
Monocrotophos (0.01)	Myclobutanil (0.01)	Napropamide (0.01)	Neburon (0.01)	Nicosulfuron (0.01)	Nitenpyram (0.01)
Novaluron (0.01)	Nuarimol (0.01)	Omethoate (0.01)	Oxadixyl (0.01)	Oxamyl (0.01)	Oxamyl-oxime (0.01)
Oxydemeton-methyl (0.01)	Oxydemeton-methyl (sum) ()	Paraoxon (0.01)	Paraoxon-methyl (0.01)	Penconazole (0.01)	Pencycuron (0.01)
Penthiethalin (0.01)	Phorate (Sum) ()	Phorate Sulfoxide (0.01)	Phorate-sulfone (0.01)	Phosalone (0.01)	Picoxystrobin (0.01)
Pirimicarb (0.01)	Piperonyl butoxide (0.01)	Pirimicarb (0.01)	Pirimicarb-desmethyl (0.01)	Pirimicarb-Desmethylformamido (0.01)	Pirimiphos-methyl (0.01)
Primisulfuron-methyl (0.01)	Prochloraz (0.01)	Procymidone (0.01)	Promecarb (0.01)	Propamocarb (0.01)	Propargite (0.01)
Propham (0.01)	Propiconazole (0.01)	Propoxur (0.01)	Propoxycarbazone (0.01)	Propyzamide (0.01)	Prosulfocarb (0.01)
Prosulfuron (0.01)	Pymetrozine (0.01)	Pyraclostrobin (0.01)	Chloridazon (0.01)	Pyrethrins (0.01)	Pyridaben (0.01)
Pyrimethanil (0.01)	Pyriproxyfen (0.01)	Quinoxyfen (0.01)	Resmethrin (0.01)	Rimsulfuron (0.01)	Rotenone (0.01)
Sethoxydim (0.01)	Simazine (0.01)	Simeconazole (0.01)	Spinosad (0.01)	Spinosyn A (0.01)	Spinosyn D (0.01)
Spirodiclofen (0.01)	Spiromesifen (0.01)	Spiroxamine (0.01)	Tebuconazole (0.01)	Tebufenozide (0.01)	Tebufenpyrad (0.01)
Tefluberuron (0.01)	Tepraloxydim (0.01)	Tetraconazole (0.01)	Thiabendazole (0.01)	Thiacloprid (0.01)	Thiamethoxam (0.01)
Thifensulfuron methyl (0.01)	Thiodicarb (0.01)	Thiofanox sulfone (0.01)	Thiofanox sulfoxide (0.01)	Thiophanate-methyl (0.01)	Tolclofos-methyl (0.01)
Traikoxydim (0.01)	Triadimefon (0.01)	Triadimenol (0.01)	Tralsulfuron (0.01)	Tralsulfuron methyl (0.01)	Triflenuron-methyl (0.01)
Trichlorfon (0.01)	Tridemorph (0.01)	Trifloxystrobin (0.01)	Triflusulfuron (0.01)	Triflumizole/FM-6-1 (Sum) ()	Triflumizole (0.01)
Triflumuron (0.01)	Triflusulfuron-methyl (0.01)	Vamidothion (0.01)	Vamidothion-sulfone (0.01)	Vamidothion-sulfoxide (0.01)	Zoxamide (0.01)

SIGNATURE

Kevin Fu
Authorized Signatory

EXPLANATORY NOTE

LOQ: Limit of Quantification
< LOQ: Below Limit of Quantification
N/A means Not applicable
☆ means the test is subcontracted within Eurofins group
• means the test is subcontracted outside Eurofins group
Sum compounds results are calculated from the results of each quantified compound as set by regulation