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Result Complete

Report Date 02-MAY-2013

Customer Name	Changsha nutramax Inc
Description	Grape Skin P.E. 5% Resveratrol (Violet powder) (Lot No.: GSR-130121)
Test Type	Test Only
Job Number	J-00124480
Sample Reception Date	25-APR-2013
Testing Completion Date	02-MAY-2013

Summary of Results

Testing Parameters and Standards	Result
Pesticides Residues Scan in the Sample with reference to USP 35	See Page 2

Report Authorization

Dongjing Liu – Laboratory Site Manager



Date 02-MAY-2013



1. Pesticides Residues Scan in the Sample with reference to USP 35

1.1 Testing procedure:

Accurately weight testing samples, add acetonitrile to extract. After a purification step, inject the extract and analyze by GC-MS/MS and LC-MS/MS

1.1.1 Testing results by GC-MS/MS:

Testing Parameter	CAS. No.	Unit	Result	Limit
Aldrin and Dieldrin (sum of)	309-00-2	µg/kg	ND(20)	50
	60-57-1			
Azinphos-methyl	86-50-0	µg/kg	ND(20)	1000
Bromophos-methyl	2104-96-3	µg/kg	ND(20)	50
Bromopropylate	18181-80-1	µg/kg	ND(20)	3000
cis-Chlordane, trans-Chlordane and Oxychlordane(sum of)	5103-71-9	µg/kg	ND(20)	50
	5103-74-2			
	27304-13-8			
Cyfluthrin I, Cyfluthrin II, Cyfluthrin III, Cyfluthrin IV(sum of)	68359-37-5	µg/kg	ND(20)	100
	999028-03-4			
	999029-03-7			
	999030-03-4			
λ-Cyhalothrin	68085-85-8	µg/kg	ND(20)	1000
p,p'-DDT, o,p'-DDT, p,p'-DDE, o,p'-DDE, p,p'-TDE and o,p'-TDE(sum of)	50-29-3	µg/kg	ND(20)	1000
	78-90-26			
	72-55-9			
	3424-82-6			
	72-54-8			
53-19-0				
Dichlorvos	62-73-7	µg/kg	ND(20)	1000
Endosulfan I, Endosulfan II, and Endosulfan sulphate (sum of)	959-98-8	µg/kg	ND(20)	3000
	33213-65-9			
	1031-07-8			
Heptachlor , and cis-Heptachlorepoide,tran-Heptachlorepoide(sum of)	76-44-8	µg/kg	ND(20)	50
	1024-57-3			



Testing Parameter	CAS. No.	Unit	Result	Limit
Endrin	72-20-8	µg/kg	ND(20)	50
Dicofol	115-32-2	µg/kg	ND(20)	500
Hexachlorobenzene	118-74-1	µg/kg	ND(20)	100
Hexachlorocyclohexane (sum of isomers α-, β-, δ- and ξ)	319-84-6	µg/kg	ND(20)	300
	319-85-7	µg/kg		
	319-86-8	µg/kg		
	6108-10-7	µg/kg		
Lindane (γ-666)	58-89-9	µg/kg	ND(20)	600
Mecarbam	2595-54-2	µg/kg	ND(20)	50
Methoxychlor	72-43-5	µg/kg	ND(20)	50
Mirex	2385-85-5	µg/kg	ND(5)	10
Pentachloranisol	1825-21-4	µg/kg	ND(5)	10
Permethrin and isomers (sum of)	54774-45-7	µg/kg	ND(20)	1000
	51877-74-8	µg/kg		
Quintozene, Pentachloroaniline, and Methyl pentachlorophenyl sulphide(sum of)	1825-19-0	µg/kg	ND(20)	1000
	527-20-8			
	1825-19-0			
Tecnazene	117-18-0	µg/kg	ND(20)	50
Tetradifon	116-29-0	µg/kg	ND(20)	300
Vinclozolin	50471-44-8	µg/kg	ND(20)	400
Chlorthal-dimethyl	1861-32-1	µg/kg	ND(5)	10
Deltamethrin	62229-77-0	µg/kg	ND(20)	500
Dithiocarbamates (expressed as CS ₂)	75-15-0	mg/kg	ND(1)	2
Fenvalerate	51630-58-1	µg/kg	ND(20)	1500
Flucytrinate	70124-77-5	µg/kg	ND(20)	50
S-421	127-90-2	µg/kg	ND(10)	20
Alachlor	15972-60-8	µg/kg	ND(20)	50
Omethoate	1113-02-6	µg/kg	ND(20)	100 (sum of Dimethoate and omethoate)
Pendimethalin	40487-42-1	µg/kg	ND(20)	100
Pirimiphos-ethyl	23505-41-1	µg/kg	ND(20)	50
Piperonyl butoxide	51-03-6	µg/kg	ND(20)	3000



Testing Parameter	CAS. No.	Unit	Result	Limit
Cypermethrin (sum of isomers)	52315-07-8	µg/kg	ND(20)	1000

Remark: ND = Not Detected, less than reporting limit.

1.1.2 Testing results by LC-MS/MS:

Testing Parameter	CAS. No.	Unit	Result	Limit
Acephate	30560-19-1	µg/kg	ND(20)	100
Azinphos-ethyl	2642-71-9	µg/kg	ND(20)	100
Bromophos-ethyl	4824-78-6	µg/kg	ND(20)	50
Chlorfenvinphos	470-90-6	µg/kg	ND(20)	500
Chlorpyrifos-methyl	5598-13-0	µg/kg	ND(20)	100
Diazinon	333-41-5	µg/kg	ND(20)	500
Dichlofluanid	1085-98-9	µg/kg	ND(20)	100
Dimethoate	60-51-5	µg/kg	ND(20)	100 (sum of Dimethoate and omethoate)
Ethion	563-12-2	µg/kg	ND(20)	2000
Etrimphos	38260-54-7	µg/kg	ND(20)	50
Fenclorphos (sum of fenclorophos and fenclorophos-oxon)	299-84-3	µg/kg	ND(20)	100
	3983-45-7	µg/kg		
Fenitrothion	122-14-5	µg/kg	ND(20)	500
Fenpropathrin	39515-41-8	µg/kg	ND(20)	30
Fensulfothion (sum of fensulfothion, fensulfothion-oxon, fensulfothion-oxonsulfon and fensulfothion-sulfon)	115-90-2	µg/kg	ND(20)	50
	6552-21-2	µg/kg	ND(20)	
	6132-17-8	µg/kg	ND(20)	
	14255-72-2	µg/kg	ND(20)	
Fenthion (sum of fenthion, fenthion-oxon, fenthion-oxon-sulfone, fenthion-oxon-sulfoxid, fenthion-sulfon and fenthion-sulfoxid)	55-38-9	µg/kg	ND(20)	50
	6552-12-1	µg/kg		
	3761-42-0	µg/kg		
	14086-35-2	µg/kg		
	6552-13-2	µg/kg		
	3761-41-9	µg/kg		



Testing Parameter	CAS. No.	Unit	Result	Limit
Fonofos	944-22-9	µg/kg	ND(20)	50
Malathion and malaoxon (sum of)	121-75-5	µg/kg	ND(20)	1000
	1634-78-2	µg/kg		
Methacriphos	30864-28-9	µg/kg	ND(20)	50
Methamidophos	10265-92-6	µg/kg	ND(20)	50
Methidathion	950-37-8	µg/kg	ND(20)	200
Monocrotophos	2157-98-4	µg/kg	ND(20)	100
Pirimiphos-methyl (sum of pirimiphos-methyl and N-desethyl-pirimiphos-methyl)	67018-59-1	µg/kg	ND(20)	4000
	29232-93-7	µg/kg	ND(20)	
Parathion-ethyl and Paraoxon-ethyl (sum of)	311-45-5	µg/kg	ND(20)	500
	56-38-2	µg/kg		
Parathion-methyl and Paraoxon-methyl (sum of)	950-35-6	µg/kg	ND(20)	200
	298-00-0	µg/kg		
Phosalone	2310-17-0	µg/kg	ND(20)	100
Phosmet	732-11-6	µg/kg	ND(20)	50
Procymidone	32809-16-8	µg/kg	38	100
Profenophos	41198-08-7	µg/kg	ND(20)	100
Prothiophos	34643-46-4	µg/kg	ND(20)	50
Pyrethrin I	121-21-1	µg/kg	ND(20)	3000 (sum of cinerin I, cinerin II, jasmolin I, jasmolin II, pyrethrin I and pyrethrin II)
Pyrethrin II	121-29-9	µg/kg	ND(20)	
Quinalphos	13593-03-8	µg/kg	ND(20)	50
γ-Fluvalinate	102851-06-9	µg/kg	ND(20)	50
Chlorpyriphos-ethyl	39475-55-3	µg/kg	ND(20)	200

Remark: ND = Not Detected, less than reporting limit.

1.2 Bromide inorganic testing results by Ion-Chromatography:

1.2.1 Bromide ion testing procedure:

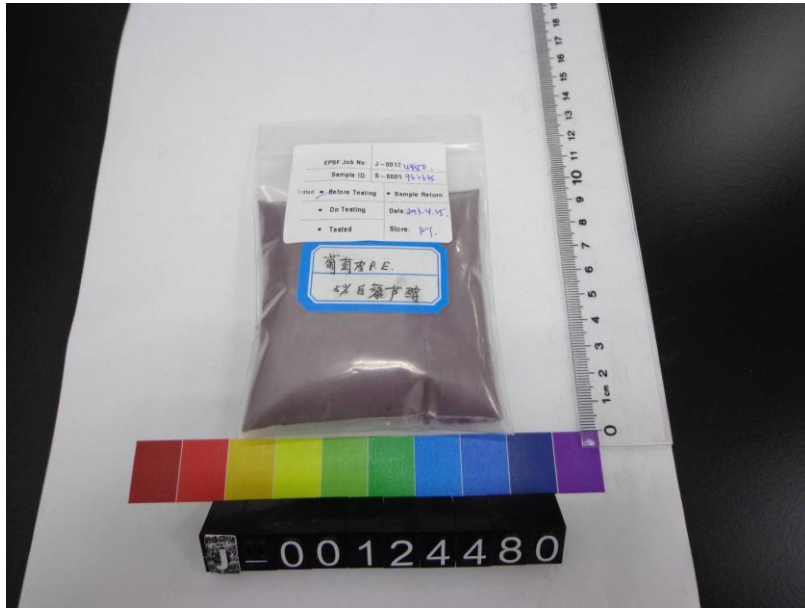
Accurately weight testing samples, add water to extract, ultrasonic extract for 30 min, inject the extract and analyze by Ion-Chromatography.

1.2.2 Bromide ion testing results by Ion-Chromatography:

Testing Parameter	Unit	Result	Limit
Bromide, inorganic (Calculated as bromide ion)	mg/kg	18	50

Remark: ND = Not Detected, less than reporting limit.

Picture of Sample



Powder in bag

End of Report