

Report code: AR-19-IR-056083-01



Batch code: EUINBA-00051540

ULR: TC543619000038372P

Report date: 13.09.2019

Motark Enterprises -

HONG KONG

ANALYTICAL REPORT

Sample code:	258-2019-09001457	Received on:	07.09.2019
Sample name:	19-05/026/P/MD/001	Analysed between:	07.09.2019 - 13.09.2019
Sample Appearance:	Light green colour powder	Sample packing:	Ziploc Pouch
Quantity received:	130g	Sampling:	NOT SAMPLED BY EUROFINS
Condition on receipt:	Good		

METAL CONTAMINANTS				Method	Result Unit	LOQ
IR217	IR	Lead (Pb)	AOAC 2015.01 by ICP-MS	0.300 mg/kg	0.05	
IR218	IR	Cadmium (Cd)	AOAC 2015.01 by ICP-MS	<0.02 mg/kg	0.02	
IR221	IR	Arsenic (As)	AOAC 2015.01 by ICP-MS	0.190 mg/kg	0.05	
IR219	IR	Mercury (Hg)	AOAC 2015.01 by ICP-MS	0.010 mg/kg	0.01	

MICROBIOLOGICAL				Method	Result Unit	LOQ
IR006	IR	Total plate count	ISO 4833-1:2013	6.5x10 ³ cfu/g		
IR012	IR	Yeast & Moulds	ISO 21527-2:2008	1.4x10 ² cfu/g		
IR034	IR	<i>Escherichia coli</i>	ISO 16649-2:2001	<10 cfu/g		
IR021	IR	Salmonella	ISO 6579-1:2017	Absent /25 g		

PESTICIDES				Result Unit	LOQ	MRL
IR123	IR	Dithiocarbamates	Method: EASI-CHE-SOP-30, GC-MS			
		* Dithiocarbamates (as CS ₂)		BLQ mg/kg	0.01	2.0
IR125	IR	Bromide (Inorganic)	Method: EASI-CHE-SOP-29, GC-MS			
		Total Inorganic Bromide		BLQ mg/kg	5	125
IR422	IR	Pesticides GC-MS/MS as per USP 561	Method: EASI-CHE-SOP-21			
		Cypermethrin		BLQ mg/kg	0.01	1.0
		Other screened pesticides		Not Detected		
IR423	IR	Pesticides LC-MS/MS as per USP 561	Method: EASI-CHE-SOP-21			
		Screened pesticides		Not Detected		

Sample Conclusion(Pesticides):

The results of the above mentioned analyses are in accordance with the requirements of USP 561 Regulation in its currently valid version.

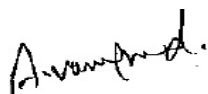
BLQ: Below Limit of Quantification

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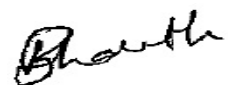
**List of screened molecules and not detected****IR422 IR Pesticides GC-MS/MS as per USP 561 (LOQ mg/kg)**

Aldrin/ Dieldrin (Sum) (0.01)	Bromophos-ethyl (0.01)	Bromopropylate (0.01)	Chlordane (sum cis-, trans, oxy-) (0.01)	Chlorfenvinphos (0.01)
Chlorpyrifos (-ethyl) (0.01)	Cyfluthrin (Total Isomers) (0.01)	Cyhalothrin, lambda-(incl. Cyhalothrin, gamma-) (0.01)	DDT (sum) (0.01)	Deltamethrin (0.01)
Dichlorvos (0.01)	Dicofol (0.01)	Endosulfan (Sum) (0.01)	Endrin (0.01)	Fenitrothion (0.01)
Fenpropathrin (0.01)	Fenvalerate (0.01)	Flucythrinate (0.01)	Fonofos (0.01)	Heptachlor (sum) (0.01)
Hexachlorobenzene (HCB) (0.01)	Hexachlorocyclohexane (sum) (0.01)	Lindane (gamma-HCH) (0.01)	Mecarbam (0.01)	Methacriphos (0.01)
Methoxychlor (0.01)	Mirex (0.01)	Octachlorodipropyl ether (S-421) (0.01)	Parathion-ethyl / Paraoxon-ethyl (sum) (0.01)	Parathion-methyl/Paraoxon-methyl (sum) (0.01)
Pentachloranisole (0.01)	Permethrin (sum of isomers) (0.01)	Piperonyl butoxide (0.01)	Prothiofos (0.01)	Pyrethrins (total) (0.01)
Quintozene (sum) (0.01)	tau-Fluvalinate (0.01)	Tecnazene (0.01)	Tetradifon (0.01)	Vinclozolin (0.01)
IR423 IR Pesticides LC-MS/MS as per USP 561 (LOQ mg/kg)				
Acephate (0.01)	Alachlor (0.01)	Azinphos-ethyl (0.01)	Azinphos-methyl (0.01)	Bromophos-methyl (0.01)
Chlorpyrifos-methyl (0.01)	Chlorthal-dimethyl (0.01)	Diazinon (0.01)	Dichlofluanid (0.01)	Dimethoate/Omethoate (sum) (0.01)
Ethion (0.01)	Etrimfos (0.01)	Fenchlorphos (sum) (0.01)	Fensulfothion (sum) (0.01)	Fenthion (sum) (0.01)
Malathion/Malaoxon (sum) (0.01)	Methamidophos (0.01)	Methodathion (0.01)	Monocrotophos (0.01)	Pendimethalin (0.01)
Phosalone (0.01)	Phosmet (0.01)	Pirimiphos-ethyl (0.01)	Pirimiphos-methyl (sum) (0.01)	Procymidone (0.01)
Profenofos (0.01)	Quinalphos (0.01)			

The tests identified by the two letters code IR are performed by Eurofins Analytical Services India (Bangalore), INDIA.



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LOQ = Limit of Quantification
MRL = Maximum Residue Level

*= Parameters not included in the Scope.

***** END OF REPORT *****

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