



M LALLUBHAI & COMPANY - Mumbai
8, 1 st floor,
Seth Sadan
Plot No. 48, Sion (west)
400022 Mumbai.
INDIA

Mr Viren Shah

ANALYTICAL REPORT

Sample code:	258-2019-04007357	Received on:	30.04.2019
Sample name:	Cumin Seeds	Analysed between:	06.05.2019 - 10.05.2019
Sample reference	QSS Seal No : QSS/177 Invoice No. : 19012 Ref No. : LOT No IPM/04/19-20 PO No. : 287462		
Quantity received:	500g		
Sample packing:	Sealed Polythene Pack (Sealed by Quality Services & Solutions)	Condition on receipt:	Good
Sampling:	NOT SAMPLED BY EUROFINS		

PESTICIDES	Result Unit	LOQ	MRL
SP940 HR Pesticides Quechers-LC-MS/MS (spices) Method: DIN EN 15662:2009-02			
Acetamiprid	0.016 mg/kg	0.01	0.05
Carbendazim	0.010 mg/kg	0.01	
Carbendazim/Benomyl (sum)	0.010 mg/kg	0.01	0.1
Clothianidin	0.035 mg/kg	0.01	0.05
Imidacloprid	0.030 mg/kg	0.01	0.05
Thiamethoxam	0.023 mg/kg	0.01	0.05
Other screened pesticides	Not Detected		
SP941 HR Pesticides Quechers GC-MS/MS (spices) Method: DIN EN 15662:2009-02, mod.			
Chlorpyrifos (-ethyl)	0.024 mg/kg	0.01	5
Dimethoate	0.19 mg/kg	0.01	5
Fenvalerate (all isomers)	0.070 mg/kg		0.1
Fenvalerate (RR-/SS-Isomers)	0.031 mg/kg	0.02	
Fenvalerate (RS-/SR-Isomers)	0.039 mg/kg	0.02	
Other screened pesticides	Not Detected		
SP942 HR Pesticides Quechers GC-NCI (spices) Method: DIN EN 15662:2009-02, mod.			
Screened pesticides	Not Detected		

CONCLUSION:

The results of the above mentioned analyses are in accordance with the requirements of regulation (EC) 396/2005 (regulation on maximum residue levels of pesticides in or on food and feed) in its currently valid version.

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**Note:**

The above sample is analysed at Eurofins Dr. Specht Laboratorien GmbH (Hamburg) GERMANY and is accredited by DIN EN ISO/IEC 17025:2005. Certificate No. D-PL-14198-01-00 issued by DAkks (Deutsche Akkreditierungsstelle).

List of screened molecules and not detected (* = limit of quantification)**SP940 HR Pesticides Quechers-LC-MS/MS (spices) (LOQ* mg/kg)**

2,4-D (0.02)	2,4'-Formoxylidid (Amitraz Metabolite) (0.01)	2,6-Dichlorobenzamide (0.01)	2-Naphthylthioxyacetic acid (0.02)	3-Hydroxycarbofuran (0.01)
4-Bromo-2-Chlorophenol (0.02)	Acibenzolar-s-methyl (0.02)	Acrinathrin (0.02)	Aldicarb (0.05)	Aldicarb-sulfone (0.01)
Aldicarb-sulfoxide (0.01)	Ametoctradin (0.01)	Aminocarb (0.01)	Amitraz (0.01)	Ancymidol (0.01)
Atrazin, desisopropyl- (0.01)	Atrazine (0.01)	Azaconazole (0.01)	Azadirachtin (0.01)	Azinphos-methyl (0.01)
Azoxystrobin (0.01)	Benalaxyl (0.01)	Bendiocarb (0.01)	Benfuracarb (0.05)	Benodanil (0.01)
Bensulide (0.01)	Bentazone (0.01)	Benthiavalicarb, isopropyl- (0.01)	Benzethonium Chloride (0.1)	Benzyltrimethyldecylammonium chloride (BAC-C12) (0.1)
Bitertanol (0.05)	Boscalid (0.01)	Bromoxynil (0.01)	Bromuconazole, cis- (0.02)	Bromuconazole, trans- (0.02)
BTS 27271 (0.02)	BTS 44595 (0.02)	BTS 44596 (0.02)	Bupirimate (0.01)	Buprofezin (0.02)
Butocarboxim (0.01)	Butocarboxim-sulfoxide (0.01)	Butoxycarboxim (0.01)	Carbaryl (0.01)	Carbetamide (0.01)
Carbofuran (0.01)	Carbosulfan (0.01)	Carboxin (0.01)	Carfentrazone-ethyl (0.01)	Cetalkonium chloride (BAC-C16) (0.1)
Chlorantraniliprole (0.01)	Chlorbromuron (0.02)	Chlorbufam (0.01)	Chlorfluazuron (0.01)	Chloridazone (0.02)
Chlorotoluron (0.01)	Clefoxydim (0.02)	Clethodim (0.02)	Clodinafop-propargyl (0.01)	Clofentezine (0.05)
Clomazone (0.01)	Clopyralid (0.2)	Cyantraniliprole (0.01)	Cyazofamid (0.01)	Cycloate (0.01)
Cycloxydim (0.01)	Cymoxanil (0.01)	Cyproconazole (0.01)	Cyprodinil (0.01)	Cyromazine (0.01)
DDAC C10 - Didecyldimethylammoniumchloride (0.1)	Demeton-S-methyl (0.01)	Demeton-S-methyl-sulfone (0.01)	Desmedipham (0.01)	Diafenthiuron (0.01)
Diazinon (0.01)	Dichlorprop (0.02)	Diethofencarb (0.01)	Diethyltoluamide (0.01)	Difenoconazole (0.01)
Difenoxuron (0.01)	Diflubenzuron (0.01)	Diflufenican (0.01)	Dimefox (0.01)	Dimefuron (0.02)
Dimethenamid (0.01)	Dimethoate (0.01)	Dimethomorph (0.01)	Dimoxystrobin (0.01)	Dinotefuran (0.01)
Dioxacarb (0.01)	Disulfoton-sulfoxide (0.01)	Diuron (0.01)	DNOC (0.01)	Dodine (0.05)
Emamectin (0.01)	Epoxiconazole (0.01)	Ethametsulfuron-methyl (0.01)	Ethiofencarb (0.01)	Ethiofencarb-sulfone (0.01)
Ethiofencarb-sulfoxide (0.01)	Ethofumesate (0.05)	Ethoprophos (0.01)	Ethoxyquin (0.05)	Etofenprox (0.02)
Famoxadone (0.02)	Fenamidone (0.01)	Fenamiphos-sulfoxide (0.01)	Fenarimol (0.01)	Fenazaquin (0.01)
Fenbuconazole (0.01)	Fenhexamid (0.02)	Fenobucarb (0.01)	Fenoxaprop-p-ethyl (0.02)	Fenoxycarb (0.01)
Fenpiclonil (0.01)	Fenpropidin (0.02)	Fenpropimorph (0.01)	Fenpyroximate (0.02)	Fenthion-oxon (0.01)
Fenthion-oxon-sulfone (0.01)	Fenthion-oxon-sulfoxide (0.01)	Fenthion-sulfone (0.05)	Fenthion-sulfoxide (0.05)	Fipronil (0.005)
Fipronil, desulfinyl- (0.005)	Fipronil-sulfide (0.005)	Fipronil-sulfone (0.005)	Flazasulfuron (0.01)	Flonicamid (0.05)
Fluazifop-P (0.02)	Fluazifop-P-butyl (0.01)	Fluazinam (0.01)	Fluazuron (0.01)	Flubendiamide (0.01)
Fludioxonil (0.01)	Flufenacet (0.01)	Flufenoxuron (0.01)	Fluopicolid (0.01)	Fluopyram (0.01)
Flusilazole (0.01)	Flutolanil (0.01)	Flutriafol (0.01)	FM-6-1 (0.01)	Forchlorfenuron (0.01)
Formetanate (0.05)	Fosthiazate (0.01)	Fuberidazole (0.01)	Furalaxyl (0.01)	Furathiocarb (0.01)
Halosulfuron-methyl (0.02)	Haloxypop (0.02)	Hexaflumuron (0.02)	Hexythiazox (0.01)	Icaridin (0.01)
Imazalil (0.01)	Imibenconazole (0.01)	Indoxacarb (0.02)	Iprodione (0.02)	Iprovalicarb (0.02)
Isoprocab (0.01)	Isoprothiolane (0.01)	Isoproturon (0.01)	Isoxaflutole (0.01)	Isoxathion (0.05)
Lenacil (0.01)	Linuron (0.01)	Lufenuron (0.01)	Malaaxon (0.01)	Malathion (0.01)
Mandipropamid (0.01)	MCPA (0.02)	MCPB (0.02)	Mecarbam (0.01)	Mepanipyrim (0.02)
Metaflumizone (0.01)	Metalaxyl (0.01)	Metamitron (0.01)	Metconazole (0.01)	Methabenzthiazuron (0.01)
Methamidophos (0.02)	Methidathion (0.01)	Methiocarb (0.01)	Methiocarb-sulfone (0.01)	Methiocarb-sulfoxide (0.01)
Methomyl (0.02)	Methoxyfenozide (0.01)	Metolachlor (0.01)	Metolcarb (0.02)	Metoxuron (0.01)
Metribuzin (0.01)	Miristalkonium chloride (BAC-C14) (0.1)	Monocrotophos (0.01)	Monolinuron (0.01)	Monuron (0.01)
Naled (0.01)	Napropamide (0.01)	Neburon (0.02)	Nicosulfuron (0.01)	Nitenpyram (0.01)
Novaluron (0.01)	Nuarimol (0.01)	Omethoate (0.01)	Oxadixyl (0.02)	Oxamyl (0.01)
Oxamyl-oxime (0.01)	Oxydemeton-methyl (0.02)	Paclbutrazol (0.01)	Paraoxon-ethyl (0.01)	Pebulate (0.01)
Penconazole (0.02)	Pencycuron (0.01)	Pendimethalin (0.01)	Penflufen (0.02)	Penthiopyrad (0.02)
Pethoxamid (0.02)	Phenmedipham (0.01)	Phosmet (0.02)	Phosmet-oxon (0.02)	Phoxim (0.01)
Piperonyl butoxide (0.02)	Pirimicarb (0.01)	Pirimicarb, desmethyl- (0.01)	Pirimicarb, desmethyl-formamido- (0.02)	Pirimiphos-methyl (0.01)
Prochloraz (0.02)	Profenofos (0.01)	Promecarb (0.01)	Propachlor (0.01)	Propamocarb (0.01)
Propanil (0.01)	Propaquizafop (0.01)	Propargite (0.02)	Propham (0.02)	Propoxur (0.01)
Propoxycarbazon (0.01)	Proquinazid (0.01)	Prosulfocarb (0.01)	Prothioconazole (0.01)	Pymetrozine (0.02)
Pyraclostrobin (0.01)	Pyrethrins (0.05)	Pyridaben (0.02)	Pyridafol (0.01)	Pyridate (0.02)
Pyrimethanil (0.01)	Pyriproxyfen (0.02)	Quinalphos (0.02)	Quinoxifen (0.01)	Quizalofop (0.02)
Quizalofop ethyl (0.02)	Rimsulfuron (0.01)	Rotenone (0.02)	Sethoxydim (0.02)	Simazine (0.01)

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**SP940 HR Pesticides Quechers-LC-MS/MS (spices) (LOQ* mg/kg)**

Simetryn (0.01)	Spinetoram (0.01)	Spinosad (0.01)
Spirotetramat-enol (0.02)	Spirotetramat-enolglucoside (0.02)	Spirotetramat-ketohydroxy (0.05)
Sulfentrazone (0.02)	Tebuconazole (0.02)	Tebufenozide (0.01)
Tepraloxydim (0.01)	Terbacil (0.01)	Terbufos-sulfoxide (0.01)
TFNA (0.05)	TFNG (0.05)	Thiabendazole (0.01)
Thiofanox-sulfone (0.02)	Thiofanox-sulfoxide (0.02)	Thiophanate-methyl (0.02)
Triadimenol (0.02)	Trichlorfon (0.02)	Tricyclazole (0.01)
Triflumizole (0.01)	Triflumuron (0.01)	Triforine (0.01)
Vamidothion (0.02)	Vamidothion-sulfone (0.02)	Vamidothion-sulfoxide (0.02)

SP941 HR Pesticides Quechers GC-MS/MS (spices) (LOQ* mg/kg)

1,2,3-Trichlorobenzene (0.01)	1,2,4-Trichlorobenzene (0.01)	1,3,5-Trichlorobenzene (0.01)	2-Phenylphenol (0.01)	Acephate (0.04)
Acibenzolar-s-methyl (0.01)	Aclonifen (0.01)	Alachlor (0.01)	Aldrin (0.01)	Ametryn (0.01)
Amidithion (0.01)	Anthraquinone (0.01)	Azamectinos (0.01)	Azinphos-ethyl (0.05)	Benalaxyl (0.01)
Benfluralin (0.01)	Benfuracarb (0.01)	Bifenox (0.01)	Bifenthrin (0.01)	Biphenyl (0.01)
Bromacil (0.01)	Bromfenvinphos (0.01)	Bromocyclen (0.01)	Bromophos-ethyl (0.01)	Bromophos-methyl (0.01)
Bromopropylate (0.01)	Buprofezin (0.02)	Butachlor (0.01)	Butamifos (0.01)	Butralin (0.01)
Cadusaphos (0.02)	Carbophenothion-methyl (0.01)	Chinomethionate (0.01)	Chlorbenside (0.01)	Chlordane, cis- (0.01)
Chlordane, oxy- (0.01)	Chlordane, trans- (0.01)	Chlorfenapyr (0.01)	Chlorfenside (0.01)	Chlorfenvinphos (0.01)
Chlormephos (0.02)	Chlorobenzilate (0.01)	Chloroneb (0.02)	Chloropropylate (0.01)	Chlorothalonil (0.02)
Chlorpropham (0.01)	Chlorpyrifos-methyl (0.01)	Chlorthal-dimethyl (0.01)	Chlorthion (0.01)	Chlorthiophos (0.01)
Chlzolinate (0.01)	Coumaphos (0.02)	Crotoxyphos (0.01)	Crufomate (0.01)	Cyanazine (0.01)
Cyanofenphos (0.01)	Cyanophos (0.01)	Cyfluthrin (0.01)	Cyhalothrin, lambda-(incl. Cyhalothrin, gamma-) (0.01)	Cypermethrin (0.01)
Cyproconazole (0.01)	DDD, o,p- (0.01)	DDD, p,p'- (0.01)	DDE, o,p- (0.01)	DDE, p,p'- (0.01)
DDT, o,p'- (0.01)	DDT, p,p'- (0.01)	Deltamethrin (0.02)	Demeton-S-methyl (0.01)	Demeton-S-methyl-sulfone (0.02)
Desmetryn (0.01)	Diazinon (0.01)	Dicaphthion (0.01)	Dichlobenil (0.01)	Dichlofenthion (0.01)
Dichlorvos (0.01)	Dicloran (0.01)	Dicofol, o,p- (0.04)	Dicofol, p,p- (0.04)	Dicrotophos (0.01)
Dieldrin (0.01)	Difenoconazole (0.01)	Dimethylvinphos (0.01)	Dioxabenzofos (0.01)	Dioxathion (0.05)
Diphenylamine (0.01)	Disulfoton (0.01)	Disulfoton-sulfon (0.01)	Ditalimfos (0.01)	Edifenphos (0.01)
Endosulfan sulphate (0.01)	Endosulfan, alpha- (0.01)	Endosulfan, beta- (0.01)	Endrin (0.01)	Endrin ketone (0.01)
EPN (0.01)	Ethalfuralin (0.01)	Ethion (0.01)	Ethofumesate (0.01)	Ethoprophos (0.01)
Ethoxyquin (0.01)	Etoxazole (0.01)	Etridiazole (0.01)	Etrimfos (0.01)	Famophos (0.01)
Famoxadone (0.01)	Fenamiphos (0.01)	Fenamiphos-sulfone (0.02)	Fenarimol (0.01)	Fenazaquin (0.01)
Fenchlorphos (0.01)	Fenchlorphos oxon (0.01)	Fenitrothion (0.01)	Fenobucarb (0.02)	Fenpropathrin (0.01)
Fenson (0.02)	Fensulfothion (0.02)	Fensulfothion-oxon-sulfone (0.02)	Fensulfothion-oxon-sulfoxide (0.02)	Fensulfothion-sulfone (0.02)
Fenthion (0.01)	Fenthion-oxon-sulfone (0.02)	Fluazifop-P-butyl (0.01)	Fluchloralin (0.01)	Flucythrinate (0.02)
Flumetralin (0.01)	Fluorodifen (0.01)	Fluquinconazole (0.01)	Flusilazole (0.01)	Fonofos (0.02)
Formothion (0.02)	Fosthiatze (0.01)	Furathiocarb (0.01)	Halfenprox (0.01)	HCH, alpha- (0.01)
HCH, beta- (0.01)	HCH, delta- (0.01)	HCH, epsilon- (0.01)	Heptachlor (0.01)	Heptachlor epoxide, cis- (0.01)
Heptachlor epoxide, trans- (0.01)	Heptenophos (0.01)	Hexachlorobenzene (HCB) (0.01)	Hexaconazole (0.01)	Hexazinone (0.01)
Iodofenphos (0.01)	Iprobenfos (0.01)	Iprodione (0.01)	Isazophos (0.01)	Isobenzan (0.01)
Isocarbofos (0.02)	Isofenphos (0.01)	Isofenphos-methyl (0.01)	Isopropalin (0.01)	Kresoxim-methyl (0.01)
Leptophos (0.01)	Lindane (gamma-HCH) (0.01)	Malaaxon (0.01)	Malathion (0.01)	Mephosfolan (0.02)
Meprothion (0.01)	Metazachlor (0.01)	Methacriphos (0.01)	Methamidophos (0.05)	Methidathion (0.01)
Methoprotryne (0.01)	Methoxychlor (0.01)	Metrafenone (0.01)	Metribuzin (0.01)	Mevinphos (0.01)
Mirex (0.01)	Molinate (0.01)	Morphothion (0.02)	Myclobutanil (0.01)	N-Desethyl-pirimiphos-methyl (0.02)
Nitrapyrin (0.01)	Nitrofen (0.01)	Nitrothal-isopropyl (0.01)	Nonachlor, trans- (0.01)	Octachlorstyrene (0.01)
Omethoate (0.02)	Oxadiazon (0.01)	Oxyfluorfen (0.01)	Paraoxon-ethyl (0.02)	Paraoxon-methyl (0.01)
Parathion (0.01)	Parathion-methyl (0.01)	Pendimethalin (0.01)	Penflufen (0.01)	Pentachloranisole (0.01)
Pentachloroaniline (0.01)	Pentachlorobenzene (0.01)	Pentachlorothioanisole (0.01)	Permethrin (0.02)	Phenthoate (0.01)
Phorate (0.02)	Phorate-sulfone (0.02)	Phorate-sulfoxide (0.02)	Phosalone (0.01)	Phosfolan (0.01)
Phosmet (0.02)	Phosphamidon (0.02)	Picoxystrobin (0.01)	Piperonyl butoxide (0.01)	Piperophos (0.01)
Pirimiphos-ethyl (0.01)	Pirimiphos-methyl (0.01)	Procymidone (0.01)	Profenofos (0.01)	Profluralin (0.01)
Prometryn (0.02)	Propachlor (0.01)	Propaphos (0.01)	Propazine (0.01)	Propetamphos (0.02)
Propiconazole (0.01)	Propyzamide (0.01)	Proquinazid (0.05)	Prothiofos (0.01)	Propothate (0.01)
Pyraclufos (0.01)	Pyrazophos (0.02)	Pyridaben (0.02)	Pyridaphenthion (0.01)	Pyrifenox (0.02)
Pyrimethanil (0.02)	Quinalphos (0.05)	Quintozene (0.01)	S 421 (0.01)	Sebuthylazine (0.02)
Silafluofen (0.01)	Spiromesifen (0.02)	Sulfotep (0.01)	Sulprofos (0.01)	tau-Fluvalinate (0.01)
Tebuconazole (0.01)	Tebufenpyrad (0.01)	Tebupirimfos (0.01)	Tebutam (0.01)	Tecnazene (0.01)
Tefluthrin (0.01)	TEPP (0.02)	Terbufos (0.01)	Terbufos-sulfone (0.01)	Terbutylazine (0.01)
Terbutryn (0.02)	Tetrachlorvinphos (0.01)	Tetraconazole (0.01)	Tetradifon (0.01)	Tetrasul (0.01)
THENYLCHLOR (0.02)	Thiometon (0.01)	Tolclofos-methyl (0.01)	Tralomethrin (0.01)	Transfluthrin (0.02)
Triadimenol (0.01)	Triallate (0.01)	Triazophos (0.01)	Trichloronat (0.01)	Trifloxystrobin (0.01)

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**SP941 HR Pesticides Quechers GC-MS/MS (spices) (LOQ* mg/kg)**

Triflumizole (0.02) Trifluralin (0.01) Triticonazole (0.01)

SP942 HR Pesticides Quechers GC-NCI (spices) (LOQ* mg/kg)

Allethrin (0.02)	Anthraquinone (0.02)	Benfluralin (0.01)	Benodanil (0.01)	Bifenox (0.02)
Binapacryl (0.05)	Bromopropylate (0.02)	Bromoxynil-octanoate (0.02)	Butafenacil (0.02)	Captafol (0.05)
Captan (0.02)	Carbofenthion (0.01)	Chinomethionate (0.01)	Chlorfenprop-methyl (0.02)	Chlozolate (0.01)
Cyfluthrin (0.02)	Cypermethrin (0.02)	Deltamethrin (0.02)	Dichlobenil (0.01)	Dichlofluanid (0.01)
Diclofop-methyl (0.05)	Diflufenican (0.01)	Dinitramine (0.01)	Endosulfan sulphate (0.01)	Endosulfan, alpha- (0.01)
Endosulfan, beta- (0.01)	Fenfluthrin (0.01)	Fenson (0.02)	Fenvalerate (RR-/SS-Isomers) (0.02)	Fenvalerate (RS-/SR-Isomers) (0.02)
Flamprop-methyl (0.05)	Fluazolate (0.02)	Fluoroglycofen-ethyl (0.02)	Flurochloridone (0.05)	Folpet (0.02)
Genite (0.01)	Haloxypop-2-ethoxyethyl (0.02)	Heptachlor epoxide, cis- (0.02)	Heptachlor epoxide, trans- (0.01)	Indoxacarb (0.01)
Ioxynil-octanoate (0.02)	Iprodione (0.02)	Isodrin (0.02)	Isxadifen-ethyl (0.05)	Kresoxim-methyl (0.01)
Metribuzin (0.01)	Nitralin (0.02)	Nitrothal-isopropyl (0.02)	Oxadiazon (0.05)	Pentachlorobenzene (0.01)
Phthalimide (PI) (0.02)	Picolinafen (0.01)	Picoxystrobin (0.05)	Plifenate (0.01)	Prallethrin (0.02)
Profluralin (0.01)	Propyzamide (0.01)	Proquinazid (0.02)	Pyridalyl (0.02)	Quinoxifen (0.02)
Spirodiclofen (0.02)	Tecnazene (0.01)	Tetramethrin (0.02)	Tolyfluanid (0.01)	Trichloronat (0.01)
Trifloxystrobin (0.01)	Vinclozolin (0.01)			

The tests identified by the two letters code HR are subcontracted to our Eurofins Group lab.


Dr Gouri Satpathy**Senior Manager**

LOQ = Limit of Quantification

MRL = Maximum Residue Level

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

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