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Sample code Nr.	890-2022-00037246	Report Date	03/11/2022
Analytical Report Nr.	AR-22-RM-035282-01 / 890-2022-00037246		

Our reference :	890-2022-00037246/ AR-22-RM-035282-01		
Client reference :	P80680-68724...		
Sample described as :	AMRIN901 Amaranth, Organic, India		
Your purchase order date :	20/10/2022	Your purchase order reference :	P80680-68724
Sample reception date :	02/11/2022	Analysis starting date :	02/11/2022
Analyses requested :	ZV070: Pymetrozine ZVR16: Rush service on 16h PZVPA: Quantitative pesticide analysis RMA00: Sample preparation Chemistry		

Batch no	KAG/CN259/22/118/OAS	IPC no	Seal: Eurofins: 124834
Supplier	S2038	Quantity	24.000 kg (960 bags x 25 kg)
Sample description	Amaranth grain	Sample Order Code	005-10507-1830850
		OnlinePortal	

PESTICIDES RESIDUES				Results
ZVPA6	ZV	Quantitative multi pesticide screening LC-MSMS		Method : Own method, LC-MS/MS
(#)	Screened pesticides			<LOQ
ZVPZ1	ZV	Quantitative multi pesticide screening GC-MSMS		Method : Own method, GC-MS/MS
(#)	Screened pesticides			<LOQ
ZV070	ZV	Pymetrozine		Method : Own method, LC-MS/MS
(#)	Pymetrozine			< 0.01 mg/kg
	<i>MRL EU = 0.05</i>			

List of screened molecules and not detected (* = limit of quantification)

ZVPA6	ZV	Quantitative multi pesticide screening LC-MSMS (LOQ* mg/kg)				
1-Naphthylacetamide/1-Naphthylacetic acid (cal. as) (0.01)	1-Naphthylacetic acid (0.01)	2,4,5-T (0.01)	2,4,6-Trichlorophenoxyacetic Acid (0.01)	2,4-D (0.01)	2,4-DB (0.01)	
2-Hydroxybenzothiazol (0.01)	2-Naphthoxyacetic acid (0.01)	3-Hydroxycarbofuran (0.001)	3-ketocarbofuran (0.01)	4-Bromophenylurea (0.01)	4-CPA (0.01)	
6-Benzyladenine (0.01)	6-Chlor-3-phenylpyridazin-4-ol (Pyridafol) (0.01)	Abamectin (0.01)	Acephate (0.01)	Acequinocyl (0.01)	Acetamiprid (0.01)	
Alanycarb (0.01)	Aldicarb (0.01)	Aldicarb (sum) (0.01)	Aldicarb-sulfone (0.01)	Aldicarb-sulfoxide (0.01)	Ametoctradin (0.01)	
Amisulbrom (0.01)	Anilazine (0.05)	Asulam (0.01)	Atrazin, desisopropyl- (0.05)	Atrazine (0.01)	Atrazine-desethyl (0.01)	
Avermectin B1a (0.01)	Avermectin B1b (0.01)	Azaconazole (0.01)	Azadirachtin (0.01)	Azamethiphos (0.01)	Azimsulfuron (0.01)	
Azinphos-methyl (0.01)	Aziprotryn (0.05)	Azoxystrobin (0.01)	Barban (0.01)	Beflubutamid (0.01)	Benomyl (0)	
Benoxacor (0.01)	Bentazone (0.01)	Benthiavali carb, isopropyl- (0.01)	Benzalkoniumchlorid (BAC) Sum (0.01)	Benzovindiflupyr (0.01)	Benzoimate (0.01)	
Benzyl dimethyl dodecyl ammonium chloride (BAC C12) (0.01)	Benzyl dimethyl tetradecyl ammonium chloride (BAC C14) (0.01)	Bifenazate (sum of bifenazate plus bifenazate-diaz) (0.01)	Bitertanol (0.01)	Bixafen (0.01)	Boscalid (0.01)	
Bromoxynil (0.01)	Bromuconazole (0.01)	BTS 44595 (0.01)	BTS 44596 (0.01)	Bupirimate (0.01)	Buprofezin (0.01)	
Butafenacil (0.01)	Butocarboxim (0.01)	Butocarboxim-sulfoxide (0.01)	Butoxycarboxim (0.01)	Buturon (0.01)	Carbaryl (0.01)	
Carbendazim (0.01)	Carbendazim/Benomyl (sum) (0.01)	Carbetamide (0.01)	Carbofuran (0.001)	Carbofuran (sum) (0.001)	Carbosulfan (0.01)	
Carboxin (0.01)	Carboxin (carboxin plus its metabolites carboxin s) (0.01)	Carfentrazone-ethyl (0.01)	Carpropamid (0.01)	Chloramben (0.1)	Chlorantraniliprole (0.01)	
Chlorbromuron (0.01)	Chlordecon (0.01)	Chlordimeform (0.01)	Chlorfluazuron (0.01)	Chlorothalonil-4-hydroxy (0.01)	Chlorotoluron (0.01)	
Chloroxuron (0.01)	Chlorthion (0.01)	Chlorthiophos (0.01)	Chlorthiophos-sulfone (0.01)	Cinerin I (0.01)	Cinerin II (0.01)	
Clethodim (0.01)	Clethodim/Sethoxydim (Sum) (0.01)	Climbazole (0.01)	Clodinafop (0.01)	Clofentezine (0.01)	Clopyralid (0.5)	
Clothianidin (0.01)	Crimidine (0.01)	Cyantraniliprole (0.01)	Cyazofamid (0.01)	Cyclanilide (0.01)	Cycloxydim (0.01)	
Cyfenoprafen (0.01)	Cyflufenamid (0.01)	Cyflumetofen (0.01)	Cymoxanil (0.01)	Cyproconazole (0.01)	Cyprodinil (0.01)	
Cythioate (0.01)	Demeton-S-methyl-sulfone (0.01)	Desmedipham (0.01)	Dicamba (0.05)	Dichlofluanid (0.01)	Dichlorophen (0.01)	
Dichlorprop (0.01)	Dichlorvos (0.01)	Diclobutrazol (0.01)	Diclofop-methyl (0.01)	Dicrotophos (0.01)	Diethofencarb (0.01)	
Diethyltoluamide (0.01)	Difenoconazole (0.01)	Diflubenzuron (0.01)	Dimethenamid including other mixtures of constitute (0.01)	Dimethirimol (0.01)	Dimethoate (0.01)	
Dimethomorph (0.01)	Dimethylaminosulphotoluidide (DMST) (0.01)	Dimethylphenylsulfamide (DMSA) (0.01)	Dimoxystrobin (0.01)	Diniconazole (0.01)	Dinocap (0.01)	

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ZVPA6	ZV	Quantitative multi pesticide screening LC-MSMS (LOQ* mg/kg)				
Dinoseb (0.01)	Dinoseb (total) (0.01)	Dinoseb-acetate (0.01)	Dinotefuran (0.01)	Dipropetryn (0.01)	Dithianon (0.01)	
Diuron (0.01)	DNOOC (0.03)	Dodemorf (0.01)	Dodine (0.01)	Emamectin (0.01)	Epoxiconazole (0.01)	
Ethiofencarb (0.01)	Ethiofencarb-sulfone (0.01)	Ethiofencarb-sulfoxide (0.01)	Ethiprole (0.01)	Ethirimol (0.01)	Ethoxysulfuron (0.01)	
Etofenprox (0.01)	Etoazole (0.01)	Famophos (0.01)	Famoxadone (0.01)	Fenamidon (0.01)	Fenamiphos (0.01)	
Fenamiphos (sum) (0.01)	Fenamiphos-sulfone (0.01)	Fenamiphos-sulfoxide (0.01)	Fenarimol (0.01)	Fenazaquin (0.01)	Fenbuconazole (sum of constituent enantiomers) (0.01)	
Fenhexamid (0.01)	Fenoprop (0.01)	Fenoxycarb (0.01)	Fenpropidin (0.01)	Fenpropimorph (0.01)	Fenpyrazamine (0.01)	
Fenpyroximate (0.01)	Fensulfthion oxon (0.05)	Fensulfthion-oxon-sulfone (0.05)	Fensulfthion-sulfone (0.05)	Fenthion (0.01)	Fenthion (sum) (0.01)	
Fenthion-oxon (0.01)	Fenthion-oxon-sulfone (0.01)	Fenthion-oxon-sulfoxide (0.01)	Fenthion-sulfone (0.01)	Fenthion-sulfoxide (0.01)	Fenuron (0.01)	
Fipronil (0.01)	Fipronil (sum) (0.01)	Fipronil-sulfone (0.01)	Flazasulfuron (0.01)	Fonicamid (0.01)	Fonicamid (sum of fonicamid, TFNA and TFNG expre (0.01)	
Fonicamid-TFNA-AM (0.01)	Florasulam (0.01)	Fluazifop (0.01)	Fluazifop-P-butyl (0.01)	Fluazinam (0.01)	Flubendiamide (0.01)	
Flucycloxuron (0.01)	Flufenacet (0.01)	Flufenoxuron (0.01)	Flumioxazin (0.01)	Fluopicolid (0.01)	Fluopyram (0.01)	
Fluorimazole (0.01)	Fluoxastrobil (0.01)	Fluyradifurone (0.01)	Flupyrsulfuron-Methyl (0.01)	Fluquinconazole (0.01)	Flurochloridone (0.01)	
Fluroxyppyr (0.01)	Fluroxyppyr (Sum) (0.01)	Fluroxyppyr-Methylheptyl (0.01)	Flusilazole (0.01)	Fluthiacet-methyl (0.01)	Flutolanil (0.01)	
Flutriafol (0.01)	Fluxapyroxad (0.01)	FM-6-1 (metabolite triflumizole) (0.01)	Foramsulfuron (0.01)	Forchlorfenuron (0.01)	Fosthiazate (0.01)	
Furalaxyl (0.01)	Furathiocarb (0.01)	Gibberellic Acid (0.01)	Halofenozide (0.01)	Haloxfop (0.01)	Hexaconazole (0.01)	
Hexaflumuron (0.01)	Hexythiazol (any ratio of constituent isomers) (0.01)	Imazafol (0.01)	Imazalil (any ratio of constituent isomers) (0.01)	Imazamethabenz-methyl (0.01)	Imazamox (0.01)	
Imazaquin (0.01)	Imibenconazole (0.01)	Imidacloprid (0.01)	Indoxacarb (sum, R+S isomers) (0.01)	Iodosulfuron methyl (0.01)	Ioxynil (0.01)	
Iprodione (0.01)	Iprovalicarb (0.01)	Isocarbofos (0.01)	Isofetamid (0.005)	Isoprothiolane (0.01)	Isopyrazam (0.01)	
Isouron (0.01)	Isoxaben (0.01)	Isoxaflutole (0.01)	Isoxathion (0.01)	Jasmolin I (0.01)	Jasmolin II (0.01)	
Karanjin (0.01)	Kresoxim-methyl (0.01)	Lenacil (0.01)	Linuron (0.01)	Lufenuron (0.01)	Malathion (0.01)	
Malathion/Malaoxon (sum) (0.01)	Maleic hydrazide (MH-30) (0.5)	Mandipropamid (any ratio of constituent isomers) (0.01)	Matrine (0.01)	MCPA (0.01)	MCPA/MCPB (sum) (0.01)	
MCPB (0.01)	Mecoprop (0.01)	Mefenacet (0.01)	Mefenpyr-diethyl (0.01)	Mepanipyrim (0.01)	Mephosfolan (0.01)	
Mepronil (0.01)	Meptylinoacp (0.01)	Mesosulfuron-methyl (0.01)	Mesotrione (0.01)	Metaflumizone (sum of E- and Z- isomers) (0.01)	Metalaxyl (0.01)	
Metaldehyde (0.01)	Metamitron (0.01)	Metconazole (0.02)	Methamidophos (0.01)	Methidathion (0.01)	Methiocarb (0.01)	
Methiocarb (sum) (0.01)	Methiocarb-sulfone (0.01)	Methiocarb-sulfoxide (0.01)	Methomyl (0.01)	Methoxyfenozide (0.01)	Metobromuron (0.01)	
Metosulam (0.01)	Metoxuron (0.01)	Metsulfuron-methyl (0.02)	Monocrotophos (0.01)	Monolinuron (0.01)	Monuron (0.01)	
Myclobutanil (sum of constituent isomers) (0.01)	Naled (0.01)	Neburon (0.01)	Nicosulfuron (0.01)	Nitenpyram (0.01)	Nitralin (0.01)	
Novaluron (0.01)	Nuarimol (0.01)	Omethoate (0.01)	Oxadixyl (0.01)	Oxamyl (0.01)	Oxasulfuron (0.01)	
Oxathiapiprolin (0.005)	Oxycarboxin (0.01)	Oxydemeton-methyl (0.01)	Oxydemeton-methyl (sum) (0.01)	Oxymatrine (0.5)	Paclobutrazol (0.01)	
Paraoxon-ethyl (0.01)	Paraoxon-methyl (0.01)	Parathion-methyl (Sum) (0.01)	Pebulate (0.01)	Penconazole (sum of constituent isomers) (0.01)	Pencycuron (0.01)	
Penflufen (0.01)	Penhiofpyrad (0.01)	Phenisopham (0.01)	Phenmedipharm (0.01)	Phorate (0.01)	Phorate (sum) (0.01)	
Phorate-O-analogue (0.01)	Phorate-oxon-sulfone (0.01)	Phorate-sulfone (0.01)	Phorate-sulfoxide (0.01)	Phosalone (0.01)	Phosmet (0.01)	
Phosmet (Sum) (0.01)	Phosmet-oxon (0.01)	Phosphamidon (0.01)	Phoxim (0.01)	Picardin (0.01)	Picloram (0.1)	
Picolinafen (0.01)	Picoxystrobin (0.01)	Pinoxaden (0.01)	Piperonyl butoxide (0.01)	Pirimicarb (0.01)	Pirimicarb, desmethyl- (0.01)	
Prochloraz (0.01)	Prochloraz (sum) (0.01)	Profenofos (0.01)	Prohexadione Calcium (0.05)	Prometon (0.005)	Propamocarb (Sum of propamocarb and its salts, exp (0.01)	
Propaquizafop (0.01)	Propiconazole (sum of isomers) (0.01)	Propoxur (0.01)	Propyzamide (0.01)	Proquinazid (0.01)	Prosulfocarb (0.01)	
Prosulfluron (0.01)	Prothioconazole-desthio (0.01)	Pyraclobolil (0.01)	Pyraclafos (0.01)	Pyraclostrobin (0.01)	Pyrazophos (0.01)	
Pyrethrin I (0.01)	Pyrethrin II (0.01)	Pyrethrins (0.01)	Pyridaben (0.01)	Pyridalyl (0.01)	Pyridaphenthion (0.01)	
Pyridate (0.01)	Pyridate (Sum) (0.01)	Pyrifeno (0.01)	Pyrimethanil (0.01)	Pyrimidifen (0.01)	Pyriproxyfen (0.01)	
Pyroxusulam (0.01)	Quinlorac (0.01)	Quinmerac (0.05)	Quilzalofop (0.01)	Rimsulfuron (0.01)	Rotenone (0.01)	
Saflufenacil (0.01)	Sedaxane (0.005)	Sethoxydim (0.01)	Silaflofen (0.01)	Simazine (0.01)	Spinetoram (sum) (0.01)	
Spinetoram A (0.01)	Spinetoram B (0.01)	Spinosad (sum) (0.01)	Spinosad A (0.01)	Spinosad D (0.01)	Spirodiclofen (0.01)	
Spirotetramat (0.01)	Spirotetramat (Sum) (0.01)	Spirotetramat-enol (0.01)	Spirotetramat-enolglucoside (0.05)	Spirotetramat-ketohydroxy (0.01)	Spirotetramat-monohydroxy (0.01)	
Spiroxamine (0.01)	Sulcotrione (0.02)	Sulfentrazone (0.02)	Sulfoxaflor (0.02)	Tebuconazole (0.01)	Tebuconazole (0.01)	
Tebufenpyrad (0.01)	Teflubenzuron (0.01)	Terbutrione (0.01)	Temphos (0.005)	Tepraloxymid (0.01)	Terbufos (0.01)	
Terbufos-sulfone (0.01)	Terbufos-sulfoxide (0.01)	Terbutylazine (0.01)	Terbutylazine, desethyl- (0.01)	Tetraconazole (0.01)	TFNA (0.01)	
TFNG (0.01)	Thiabendazole (0.01)	Thiacloprid (0.01)	Thiamethoxam (0.01)	Thidiazuron (0.01)	Thiencarbazone-methyl (0.01)	
Thifensulfuron methyl (0.01)	Thiobencarb (0.01)	Thiodicarb (0.01)	Thiofanox (0.01)	Thiofanox-sulfone (0.01)	Thiofanox-sulfoxide (0.01)	
Thiometon (0.01)	Thiophanate-methyl (0.01)	Tolclofos-methyl (0.01)	Tolfenpyrad (0.01)	Tolyfluanid (0.01)	Tolyfluanid (Sum) (0.01)	
Trialkoxydim (0.01)	Triadimefon (0.01)	Triadimenol (0.01)	Triapenthenol (0.01)	Triazophos (0.01)	Triazoxide (0.01)	
Trichlorfon (0.01)	Triclopyr (0.01)	Tricyclazole (0.01)	Tridemorph (0.01)	Trifloxystrobin (0.01)	Triflumizole (0.01)	
Triflumizole (sum) (0.01)	Triflumuron (0.01)	Triflurosulfuron-methyl (0.01)	Triforine (0.01)	Trimethacarb, 3,4,5- (0.01)	Triticonazole (0.01)	
Tritosulfuron (0.01)	Uniconazole (0.01)	Valifenalate (0.01)	Vamidothion (0.01)	Warfarin (0.01)	XMC (0.01)	
Zoxamide (0.01)						

ZVPZ1	ZV	Quantitative multi pesticide screening GC-MSMS (LOQ* mg/kg)			
1,4-dimethylnaphthalene (0.01)	1-Naphthylacetamide/1-Naphthylacetic acid (cal. as (0.05)	2,6-Dichlorobenzamide (0.01)	2-Phenylphenol (0.01)	4,4 -DDD + 2,4 -DDT (0.01)	4,4-DDE (0.01)
Acetochlor (0.01)	Acibenzolar-s-methyl (0.01)	Aclonifen (0.01)	Acrinathrin (0.01)	Alachlor (0.01)	Aldrin (0.01)
Allethrin (0.02)	Ametryn (0.01)	Antraquinone (0.01)	Azinphos-ethyl (0.01)	Azoxystrobin (0.01)	Barban/Chlorbufam/Chlorpropham (as 3-Chloroaniline (0.05)
Benalaxyl including other mixtures of constituent (0.01)	Benfluralin (0.01)	Benfuracarb (0)	Bifenazate (0.05)	Bifenazate (sum of bifenazate plus bifenazate-diaz (0.01)	Bifenazate-diazene (0.01)
Bifenox (0.01)	Bifenthrin (0.01)	Biphenyl (0.01)	Bitertanol (0.01)	Bromacil (0.02)	Bromocyclen (0.01)
Bromophos-ethyl (0.01)	Bromophos-methyl (0.01)	Bromopropylate (0.01)	Bromuconazole (0.02)	Bupirimate (0.01)	Buprofezin (0.01)
Butralin (0.01)	Cadusafos (0.01)	Captan/THPI (Sum calculated as Captan) (0.01)	Carbaryl (0.01)	Carbofuran (0.01)	Carbofuran (sum) (0.01)
Carbofuranphenol (0.01)	Carbophenothion (0.01)	Carbophenothion-methyl (0.01)	Chinomethionate (0.01)	Chlorbufam (0.01)	Chlordane (total) (0.01)
Chlordane, cis- (0.01)	Chlordane, oxy- (0.01)	Chlordane, trans- (0.01)	Chlorfenapyr (0.01)	Chlorfenson (0.01)	Chlorfenvinphos (0.01)
Chlorfenvinphos cis (0.01)	Chlorfenvinphos trans (0.01)	Chloridazone (0.05)	Chlorobenzilate (0.01)	Chloroneb (0.01)	Chlorothalonil (0.01)
Chlorpropham (0.01)	Chlorpropham (Sum) (0.01)	Chlorpyrifos (-ethyl) (0.01)	Chlorpyrifos-methyl (0.01)	Chlorthall-dimethyl (0.01)	Chlorthiamid (0.01)
Chlzolinate (0.01)	cis-Permethrin (0.01)	Clefoxydim (0.05)	Clodinafop-propargyl (0.01)	Clomazone (0.01)	Cloquintocet-mexyl (0.01)
Coumaphos (0.01)	Cyanazine (0.01)	Cyanofenphos (0.01)	Cyanophos (0.01)	Cycloate (0.01)	Cyfluthrin (0.01)

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ZVPZ1	ZV	Quantitative multi pesticide screening GC-MSMS (LOQ* mg/kg)			
Cyhalothrin (0.01)	Cyhalothrin, lambda-(incl. Cyhalothrin, gamma-) (0.01)	Cypermethrin (sum of isomers) (0.01)	Cyphenothrin (0.05)	Cyproconazole (0.01)	Cyprodinil (0.01)
DDD, o,p- (0.01)	DDE, o,p- (0.01)	DDT (total) (0.01)	DDT, p,p'- (0.01)	Deltamethrin (0.01)	Demeton-O (0.01)
Demeton-S (0.01)	Demeton-S-methyl (0.01)	Desmetyrin (0.01)	Diazinon (0.01)	Dichlobenil (0.02)	Dichlofenthion (0.01)
Dichlorvos (0.01)	Dicloran (0.01)	Dicofol, p,p- (0.01)	Dieldrin (0.01)	Dieldrin (Sum) (0.01)	Diethofencarb (0.01)
Difenoconazole (0.01)	Diflufenican (0.01)	Dimethipin (0.01)	Dimethoate (0.01)	Dimethylaminosulphotoluidide (DMST) (0.02)	Diniconazole (0.01)
Dioxabenzofos (0.01)	Diphenamid (0.01)	Diphenylamine (0.01)	Disulfoton (0.02)	Disulfoton (sum) (0.01)	Disulfoton-sulfon (0.01)
Disulfoton-sulfoxide (0.01)	Ditalimfos (0.01)	Diuron/Linuron/Neburon (as 3,4-Dichloraniline) (0.02)	Endosulfan (total) (0.01)	Endosulfan sulphate (0.01)	Endosulfan, alpha- (0.01)
Endosulfan, beta- (0.01)	Endrin (0.01)	EPN (0.01)	Epoxiconazole (0.01)	EPTC (0.01)	Esfenvalerate (0.01)
Etaconazole (0.01)	Ethin (0.01)	Ethofumesate (0.01)	Ethoprophos (0.01)	Ethoxyquin (0.01)	Etofenprox (0.01)
Etridiazole (0.02)	Etrimfos (0.01)	Famoxadone (0.01)	Fenarimol (0.01)	Fenazaquin (0.01)	Fenchlorphos (0.01)
Fenfluthrin (0.01)	Fenitrothion (0.01)	Fenobucarb (0.01)	Fenoxycarb (0.05)	Fenpiclonil (0.01)	Fenproprathrin (0.01)
Fenpropidin (0.04)	Fenpropimorph (0.01)	Fenpyroximate (0.01)	Fenson (0.01)	Fensulfthion (0.01)	Fenthion (0.01)
Fenthion (sum) (0.01)	Fenitrothion-sulfoxide (0.01)	Fipronil (0.005)	Fipronil (sum) (0.005)	Fipronil-sulfide (0.01)	Fipronil-sulfone (0.005)
Fluazifop-butyl (0.01)	Flubenzimine (0.01)	Fluchloralin (0.01)	Flucythrinate (0.01)	Fludioxonil (0.01)	Fluquinconazole (0.01)
Flurprimidol (0.01)	Flusilazole (0.01)	Flutolanil (0.01)	Fluvalinate (sum of isomers) (0.01)	Fonofos (0.01)	Formothion (0.01)
Fosthietan (0.01)	Fuberidazole (0.01)	Furalaxyl (0.01)	Halfenprox (0.01)	Haloxypop-2-ethoxyethyl (0.01)	HCH, alpha- (0.01)
HCH, beta- (0.01)	HCH, delta- (0.01)	Heptachlor (0.01)	Heptachlor (sum) (0.01)	Heptachlor epoxide, cis- (0.01)	Heptachlor epoxide, trans- (0.01)
Heptenophos (0.01)	Hexachlorobenzene (HCB) (0.01)	Hexachlorobutadiene (0.01)	Hexaconazole (0.01)	Hexazinone (0.01)	Imazethapyr (0.05)
Iodofenphos (0.01)	Iprobenfos (0.01)	Iprodione (0.01)	Isazophos (0.01)	Isocarbofos (0.01)	Isodrin (0.01)
Isofenphos (0.01)	Isofenphos-methyl (0.01)	Isofenphos-oxon (0.01)	Isoprocarb (0.01)	Isoproturon (0.01)	Isoxadifen-ethyl (0.01)
Kresoxim-methyl (0.01)	Lenacil (0.01)	Leptofos (0.01)	Lindane (gamma-HCH) (0.01)	Malaaxon (0.01)	Malathion (0.01)
Malathion/Malaaxon (sum) (0.01)	Mecarbam (0.01)	Mepanipyrim (0.01)	Mephosfolan (0.02)	Mepronil (0.01)	Metaxalyl (0.01)
Metazachlor (0.01)	Methabenzthiazuron (0.01)	Methacrifos (0.01)	Methidathion (0.01)	Methoprotryne (0.01)	Methoxychlor (0.01)
Methyl Parathion (0.01)	Metobromuron (0.01)	Metolcarb (0.01)	Metrafenone (0.01)	Metribuzin (0.01)	Mevinphos (0.01)
Mirex (0.01)	Molinat (0.01)	Myclobutanil (sum of constituent isomers) (0.01)	Naphthalene Acetamide (0.05)	Napropamide (0.01)	Nitrapyrin (0.01)
Nitrofen (0.01)	Nitrothal-isopropyl (0.01)	Norflurazon (0.01)	Ofurace (0.01)	Oxadiazon (0.01)	Oxadixyl (0.01)
Oxyfluorfen (0.01)	Paraoxon-ethyl (0.01)	Paraoxon-methyl (0.01)	Parathion-ethyl (0.01)	Parathion-methyl (Sum) (0.01)	Penconazole (sum of constituent isomers) (0.01)
Pendimethalin (0.01)	Pentachloroaniline (0.01)	Pentachloroanisole (0.01)	Pentachlorobenzene (0.01)	Pentachlorophenol (0.05)	Permethrin (sum of isomers) (0.01)
Perthane (0.01)	Phenkapton (0.01)	Phenothrin (0.02)	Phenthoate (0.01)	Phosalone (0.01)	Phosfolan (0.02)
Phosmet (0.01)	Phosmet (Sum) (0.01)	Phthalimide (PI) (0.01)	Picoxystrobin (0.01)	Piperonyl butoxide (0.01)	Pirimicarb (0.01)
Pirimicarb, desmethyl- (0.01)	Pirimiphos-ethyl (0.01)	Pirimiphos-methyl (0.01)	Procymidone (0.01)	Profenofos (0.01)	Profuralin (0.01)
Promecarb (0.01)	Prometryn (0.01)	Propachlor (0.01)	Propanil (0.01)	Propargite (0.02)	Propazine (0.01)
Propetamphos (0.01)	Propham (0.01)	Propiconazole (sum of isomers) (0.01)	Propoxur (0.01)	Propoxycarbazono (0.05)	Propyzamide (0.01)
Prosulfocarb (0.01)	Prothioconazole-desthio (0.01)	Prothiofos (0.01)	Pyraflufen-ethyl (0.01)	Pyrazophos (0.01)	Pyridaben (0.01)
Pyridaphenthion (0.01)	Pyrifenox (0.01)	Pyrimethanil (0.01)	Pyriproxyfen (0.01)	Quinalphos (0.01)	Quinoxifen (0.01)
Quintozene (0.01)	Quintozene (sum) (0.01)	Quizalofop ethyl (0.01)	S 421 (0.05)	Silthiofam (0.01)	Simazine (0.01)
S-Metolachlor (0.01)	Spiromesifen (0.01)	Spiroxamine (0.01)	Sulfotep (0.01)	Sulphur (S) (0.2)	Sulprofos (0.01)
Tebuconazole (0.01)	Tebuafenpyrad (0.01)	Tecnazene (0.01)	Tefluthrin (0.01)	Telodrin (0.01)	Terbacil (0.01)
Terbumeton (0.01)	Terbuthylazine (0.01)	Terbuthylazine, desethyl- (0.01)	Terbutryn (0.01)	Tetrachlorvinphos (0.01)	Tetraconazole (0.01)
Tetradifon (0.01)	Tetrahydrophthalimide (THPI) (0.01)	Tetramethrin (0.01)	Tetrasul (0.01)	Tolclofos-methyl (0.01)	Tolyfluanid (Sum) (0.01)
Transfluthrin (0.01)	Trans-Permethrin (0.01)	Triadimefon (0.01)	Triallate (0.01)	Triazamate (0.01)	Triazophos (0.01)
Trichloronat (0.01)	Trifloxystrobin (0.01)	Triflumizole (0.01)	Triflumizole (sum) (0.01)	Trifluralin (0.01)	Trinexapac-ethyl (0.01)
Vinchlorzoline/Iprodione/Procyamidone (as 3,5-DCA) (0.02)	Vinclozolin (0.01)				

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Niels Martha
 Business Unit Cluster Manager

Report electronically validated by Anouk Lancee

EXPLANATORY NOTE

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The uncertainty of measurement for the applied methods of analysis are retrievable from the ASM department.

Opinions and interpretations in this certificate are outside the scope of accreditation.

The samples will be stored until 91 days after the date of reception.

The analyses that state -M after the reference method should be interpreted as equal to the aforementioned reference method.

The tests identified by the two letters code ZV are performed in laboratory Eurofins Lab Zeeuws-Vlaanderen. The symbol (#) identifies tests without accreditation.



Nutland
 For the attention of
Quality manager
 Laan van Oversteen 20
 2289 CX RIJSWIJK
 NEDERLAND

Email quality@nutland.nl

Sample code Nr.	890-2022-00037247	Report Date	03/11/2022
Analytical Report Nr.	AR-22-RM-035303-01 / 890-2022-00037247		

Our reference :	890-2022-00037247/ AR-22-RM-035303-01		
Client reference :	P80680-68724....		
Sample described as :	AMRIN901 Amaranth, Organic, India		
Your purchase order date :	20/10/2022	Your purchase order reference :	P80680-68724
Sample reception date :	02/11/2022	Analysis starting date :	02/11/2022
Analyses requested :	ZVW07: Cadmium ZVW20: Lead ZVWP0: Destruction metals RMA00: Sample preparation Chemistry		

Batch no	KAG/CN259/22/118/OAS	IPC no	Seal: Eurofins: 124835
Supplier	S2038	Quantity	24.000 kg (960 bags x 25 kg)
Sample description	Amaranth grain	Sample Order Code	005-10507-1830851
		OnlinePortal	

METALS/MINERALS		Results (uncertainty)	
ZVW20 ZV Lead	Method : Internal method (digestion according NEN-EN 13805), ICP-MS		
(Q#) Lead (Pb)		< 0.01	mg/kg
ZVW07 ZV Cadmium	Method : Internal method (digestion according NEN-EN 13805), ICP-MS		
(Q#) Cadmium (Cd)		0.013	(± 0.004) mg/kg

CONCLUSION
 EU-norm Nr. 2015/1005 from 01-01-16 and Nr. 488/2014 from 01-06-14. Norm: In compliance with requirements regarding to the analysed contaminants by Regulation (EG) Nr. 1881/2006.

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Niels Martha
 Business Unit Cluster Manager

Report electronically validated by Vince Leeuwestein

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 The tests identified by the two letters code ZV are performed in laboratory Eurofins Lab Zeeuws-Vlaanderen. The symbol (Q#) identifies the tests under accreditation EN ISO/IEC 17025: 2017 RvA Testing L201. The symbol (#) identifies tests without accreditation.

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Sample code Nr.	890-2022-00037244	Report Date	07/11/2022
Analytical Report Nr.	AR-22-RM-035623-01 / 890-2022-00037244		

Our reference :	890-2022-00037244/ AR-22-RM-035623-01		
Client reference :	P80680-68724.		
Sample described as :	AMRIN901 Amaranth, Organic, India		
Your purchase order date :	20/10/2022	Your purchase order reference :	P80680-68724
Sample reception date :	02/11/2022	Analysis starting date :	02/11/2022
Analyses requested :	AAET0: Pesticide Ethylene Oxide RMA00: Sample preparation Chemistry		

Batch no	KAG/CN259/22/118/OAS	IPC no	Seal: Eurofins: 124832
Supplier	S2038	Quantity	24.000 kg (960 bags x 25 kg)
Sample description	Amaranth grain	Sample Order Code OnlinePortal	005-10507-1830848

Results			
AAET0 AA	Pesticide Ethylene Oxide	Method : Internal method, GC-MS/MS	
(Q#)	2-chloro-ethanol (expr. as ethylene oxide)	<0.01	mg/kg
(Q#)	Ethylene Oxide (free)	<0.01	mg/kg
(Q#)	Ethylene oxide (sum ethylene oxide and 2-chloro-et	<0.01	mg/kg

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Niels Martha
Business Unit Cluster Manager

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 The samples will be stored until 91 days after the date of reception.
 The analyses that state -M after the reference method should be interpreted as equal to the aforementioned reference method.

The tests identified by the two letters code AA are performed in laboratory Eurofins Analytics France. The symbol (Q#) identifies the tests under accreditation COFRAC TESTING (scope on www.cofrac.fr) 1-0287. The symbol (#) identifies tests without accreditation.

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Sample code Nr.	890-2022-00037245	Report Date	08/11/2022
Analytical Report Nr.	AR-22-RM-035822-01 / 890-2022-00037245		

Our reference :	890-2022-00037245/ AR-22-RM-035822-01		
Client reference :	P80680-68724..		
Sample described as :	AMRIN901 Amaranth, Organic, India		
Your purchase order date :	20/10/2022	Your purchase order reference :	P80680-68724
Sample reception date :	02/11/2022	Analysis starting date :	02/11/2022
Analyses requested :	UM3TW: Escherichia coli E (Food & Feed) [BE Food] <10 >15 UMHIT: Mould-Yeast E (Food & Feed) [BE Food - Aw > 0,95] LG4SA: Salmonella spp. food (25g) detection LG4V1: sample preparation microbiology RMA00: Sample preparation Chemistry		

Batch no	KAG/CN259/22/118/OAS	IPC no	Seal: Eurofins: 124833
Supplier	S2038	Quantity	24.000 kg (960 bags x 25 kg)
Sample description	Amaranth grain	Sample Order Code	005-10507-1830849
		OnlinePortal	

Results			
LG4SA	LG	Salmonella spp. food (25g)	Method : ASU L00.00-20, 2018-03 mod.
(Q#)	Salmonella		negative /25 g

MICROBIOLOGICAL ANALYSIS				Results			
UMHIT	JG	Yeast - Mould (Aw > 0.95)	1e2 - 1.5e5 /g	Method : ISO 21527-1			
(Q#)	Moulds				1500	cfu/g	
(Q#)	Yeast				< 100	cfu/g	
UM3TW	JG	Escherichia coli range	10-1.5e4/g	Method : BRD 07/01-07/93			
(Q#)	Escherichia coli				< 10	cfu/g	

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Niels Martha
Business Unit Cluster Manager

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Sample code Nr.	890-2022-00037245	Report Date	08/11/2022	Page 2/2
Analytical Report Nr.	AR-22-RM-035822-01 / 890-2022-00037245			

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Opinions and interpretations in this certificate are outside the scope of accreditation.

The samples will be stored until 91 days after the date of reception.

The analyses that state -M after the reference method should be interpreted as equal to the aforementioned reference method.

The tests identified by the two letters code JG are performed in laboratory Eurofins Food Testing Belgium NV. The symbol (Q#) identifies the tests under accreditation ISO/IEC 17025 BELAC 481-TEST. The symbol (#) identifies tests without accreditation.

The tests identified by the two letters code LG are performed in laboratory Eurofins Food & Feed Testing Leipzig GmbH. The symbol (Q#) identifies the tests under accreditation DIN EN ISO/IEC 17025:2018 DAkkS D-PL-14038-01-00. The symbol (#) identifies tests without accreditation.