

CERTIFICATE No : **2023-5694E / 23 277 023E**

DATE OF 1st ISSUE : **10/10/2023**

CERTIFICATE OF ANALYSIS

CUSTOMER : **ALS Czech Republic, s. r.o.**

Sampling conducted by : CLIENT
Sampling date : 4/10/2023
Date of receipt : 4/10/2023
Sample condition : NORMAL
Start/End of analysis : 5/10/2023 - 10/10/2023

Sample code : **23 277 023E**

SAMPLE DESCRIPTION : **FP2327046004 - raw material - NC Power Cacao: 23045-01**

ANALYSIS RESULTS

PARAMETER	METHOD	RESULT	UoM	Reporting Limit (RL)	MRL
Pesticides in attached table	MTD pest.25&26 (LC&GC-MS/MS)	All pesticides < RL	mg/kg	0.01	

Remarks:

Results are not corrected for recovery, unless otherwise reported. Uncertainty, if reported, refers to the expanded uncertainty at ~ 95 % confidence level ($k = 2$).

RL: The Reporting Limit is equal to or higher than the Limit of Quantification (LOQ) of the method. **MRL:** Maximum Residue Level [Regulation (EC) 396/2005]

Compliance Decision Rule: Document SANTE/11312/2021. Compliance, if the laboratory sample conforms to the maximum limit, taking into account the measurement uncertainty.

Note: MRLs, if available, are reported in case of detection of pesticides substances.

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LIST OF ANALYZED PESTICIDES

* Abamectin (2 isomers)	Cymoxanil	Fensulfothion	Mecoprop	Propiconazole (2 isomers)
Acequinocyl	Cypermethrin (4 isomers)	Fenthion	Mefenacet	Propoxur
Acetamidiprid	Cyphenothrin	Fenthion oxon	Mefenpyr-diethyl	Propyzamide
Acetochlor	Cyproconazole (2 isomers)	Fenthion sulfone	* Mefentrifluconazole	* Prosulfocarb +
Acibenzolar-S-methyl	Cyprodinil	Fenthion sulfoxide	Mepanipyrim	Prosulfuron
Aclonifen	Cyromazine	Fenvalerate (2 isomers)	Mephosfolan	Prothiofos
Acrinathrin	2,4-D ++	Fipronil	Mepronil	Pymetrozine
Alachlor	* DBCP +	Fipronil desulfinyl	Mesosulfuron-methyl	Pyraclostrobin
Aldicarb	DDD-op'	* Fipronil sulfone	Mesotrione	Pyraflufen-ethyl
Aldicarb sulfone	DDD-pp'	Flazasulfuron	Metalaxyl, Metalaxyl-M	Pyrazophos
Aldrin +	DDE-pp' +	Flonicamid +++	Metazachlor	Pyrethrin I + & II
* Ametocrotradin	DDT-op +	* Florasulam	* Metconazole	Pyridalyl
Ametryn	DDT-pp' +	* Fluazifop	Methabenzthiazuron	Pyridaphenthion
Amidosulfuron	Deltamethrin	Fluazifop-P-butyl	Methacriphos	Pyrifexox (2 isomers)
Amisulbrom	* Demeton O/S	Fluazinam	Methidathion	Pyrimethanil
* Amitraz	Demeton-S-methyl	Flubendiamide	Methiocarb	* Pyriofenone
* 9,10-Anthraquinone	Demeton-S-methyl sulfone	Fluchloralin	Methiocarb sulfone	* Pyriproxyfen +
Asulam +	Desmedipham	Flucythrinate	Methiocarb sulfoxide	* Pyroxsulam
Atrazine	Desmethyl-form.-pirimicarb	Fluidioxonil	Methomyl	Quinalphos
Azaconazole	Desmethyl-pirimicarb	Flufenacet	Methoprotryne	Quinoclamine
Azamethiphos	Desmetryn	* Flufenoxuron +	Methoxychlor	Quinoxifen
Azimsulfuron	Diazinon	Flumetralin	Methoxyfenozide	Quintozene
Azinphos-ethyl	Dichlobenil	Flumioxazine	Metobromuron	* Quisalofof
Azinphos-methyl	Dichlofenthion	* Fluometuron	Metolachlor	Quisalofof-P- tefuryl
Azoxystrobin	Dichlofluonid	Flupicolid	Metosulam	Quisalofof-P-ethyl
Beflubutamid	4,4-Dichlorobenzophenone	* Fluopyram	Metrafenone	Resmethrin (4 isomers)
Benalaxyl	Dichlorprop ++	Fluorotrimazol	Metribuzin	Rimsulfuron
Bendiocarb	Dichlorvos	Fluoxastrobin	* Metsulfuron-methyl	Rotenone
Benfluralin	Diclobutrazol mix	Flupyradiflurone	Mevinphos (2 isomers)	* S 421
* Bentazone	Diclofop-methyl	Fluquinconazole	Molinate	* Sethoxydim (2 isomers)
Benthiavalicarb isopropyl	Dicloran	Flurochloridone	Monocrotophos	Siduron (2 isomer)
Benzovindiflupyr	Diclotophos	Flusilazole	* Monolinuron	Simazine
Bifenazate	Dieldrin	Fluthiacet-methyl	Monuron	* Spinetoram (2 isomers)
Bifenox	Diethofencarb	Flutianil	Myclobutanil	Spinosad (2 isomers)
Bifenthrin	Difenacoum (2 isomer) +	* Flutolanil	* Naled (dibrom)	* Spirodiclofen +
Biphenyl (diphenyl)	Difenoconazole (2 isomers)	Flutriafol	β-Naphthoxyacetic acid	Spiromesifen
Bitertanol (2 isomers)	Diffubenzuron	Fluvalinate-τ (2 isomers)	Napropamide	Spirotetramat +++
Boscalid	* Diflufenican	* Fluxapyroxad	Neburon	* Spirotetramat-mono-OH
Bromacil	* Dimefox	Fonofos (dyfonate)	Nicosulfuron	Spiroxamine (2 isomers)
Bromadiolone	Dimethachlor	Foramsulfuron	Nitenpyram	Sulcotrione
Bromophos-ethyl	Dimethenamid	Forchlorfenuron (CPPU)	Nitralin	Sulfentrazone
Bromophos-methyl	Dimethipin	Formothion	Nitrapyrin	Sulfosulfuron
Bromopropylate	Dimethoate	Fosthiazate	Nitrofen	Sulfotep
Bromoxynil	Dimethomorph (2 isomers)	Fuberidazole	Nitrothal-isopropyl	* Sulfoxaflor
Bromuconazole (2 isomers)	Dimoxystrobin	Furalaxyl	Norflurazon	2,4,5-T ++
Bupirimate	Diniconazole	Furathiocarb	Novaluron	Tebuconazole
Buprofezin +	Dinitramine	Halofenozide	Nuarimol	Tebufenozide
Butafenacil	Dinotefuran	Halosulfuron-methyl	Ofurace	* Tebufenpyrad +
* Butocarboxim sulfoxide	Diphenamid	Haloxypop ++	Omethoate	Tebuthiuron
Butralin	Diphenylamine	Haloxypop-2-ethoxyethyl	Oxadiazon	* Tecnazene
Cadusafos	* Dipropetryn	* Haloxypop-p-methyl	Oxadixyl	Teflubenzuron
Carbaryl	* Disulfoton	HCH-α,-β,-γ,-δ	Oxamyl	* Tefluthrin mix (2 isomers)
Carbendazim, Benomyl	Disulfoton sulfone	Heptachlor	Oxathiapiprolin	Tembotrione
Carbofuran	Disulfoton sulfoxide	Heptachlor epoxide endo (trans)	Oxycarboxin	pyrophosphate)
Carbofuran 3-OH	Ditalimfos	Heptachlor epoxide exo (cis)	Oxydemeton-methyl	Terpaloxymid
* Carboxin	Diuron	Heptenophos	Oxyfluorfen	Terbacil
Carfentrazone ethyl	* DMF (amitraz metabolite)	* Hexachlorobenzene (HCB)+	Paclobutrazol	Terbufos
Carpropamide	* DMPF (amitraz metabolite)	Hexaconazole	Paraoxon ethyl	Terbufos sulfone
* Chinomethionate	DMST	Hexaflumuron	Paraoxon methyl	Terbufos sulfoxide
Chlorantraniliprole	Dodemorph	Hexazinone	Parathion	Terbumeton
Chlorbenseide	Dodine	Hexythiazox +	Parathion-methyl	Terbutylazine
Chlorbromuron	Edifenphos	8-Hydroxyquinoline	Pebulate +	Terbutryn
Chlordane cis / trans	Emamectin benzoate B1a	Imazalil	Penconazole	Tetrachlorvinphos
Chlorfenapyr	Endosulfan sulfate	Imazamethabenz-methyl	Pendimethalin	Tetraconazole
Chlorfenprop-methyl	Endosulfan-α	Imazamox	Penoxsulam (Penoxalim)	Tetradifon
Chlorfenson (Ovex)	Endosulfan-β	Imibenconazole	* Pentachloranisole	Tetramethrin (2 isomers)
Chlorfenvinphos	Endrin	Imidacloprid	Pentachloroaniline	Thiabendazole
Chlorfenvinphos (2 isomers)	EPN	Imiprothrin (2 isomer)	* Penthiopyrad	Thiacloprid
Chloridazon	Epoxiconazole	Indoxacarb	Permethrin	Thiamethoxam

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Chlormephos	EPTC	Iodosulfuron-methyl	Perthan	* Thifensulfuron-methyl
Chlorobenzilate	Etaconazol (2 isomers)	* Ioxynil	Pethoxamid	Thiobencarb
Chloroneb	Ethalfuralin	Ioxynil octanoate	Phenmedipham	* Thiodicarb
* Chlorosulfuron	Ethiofencarb	Iprobenphos	Phenothrin	Thiofanox
Chlorothalonil	* Ethiofencarb sulfoxide	Iprodione	Phenthoate	Thiofanox sulfone
Chlorotoluron	Ethion	Iprovalicarb	o-Phenylphenol	Thiofanox sulfoxide
Chloroxuron	Ethirimol	IR 3535	Phorate	Thionazin
Chlorpropham	Ethofumesate	Isazophos	Phorate sulfone	Thiophanate-methyl
Chlorpyrifos	Ethoprophos	Isocarboxiphos	Phorate sulfoxide	Tolclofos-methyl
Chlorpyrifos-methyl	Ethoxyquin +	* Isodrin	Phosalone	* Tolfenpyrad +
Chlorthal-dimethyl	2,4-D-ethylhexyl	Isophenphos	Phosmet	Tolyfluanid
Chlortalat	Etofenprox	Isophenphos-methyl	* Phosmet oxon	Topramezone
Chromafenozide	* Etoazole +	Isometamid	Phosphamidon	* Tralkoxydim +
* Cinerin I + II	Etridiazole	Isoprocarb	* Phoxim	Tralometrin
Cinidon-ethyl	Etrimfos	Isopropalin	Picaridin (Icaridin)	Transfluthrin
Clethodim (2 isomers)	Famoxadone	Isoprothiolane	Picolinafen +	Triadimefon
Climbazol	Famphur	Isoproturon	Picoxystrobin	Triadimenol (2 isomers)
Clodinafop propargyl	Fenamidone	Isoprazam	* Pinoxaden	Tri-allate
Clofentezine +	Fenamiphos	Isosaben	Piperonyl butoxide	* Triasulfuron
Clomazone	* Fenamiphos sulfone	Isoxadifen-ethyl	Pirimicarb	Triazophos
Cloquintocet-mexyl	* Fenamiphos sulfoxide	Isoxaflutole	Pirimiphos-ethyl +	Tribenuron methyl
Cloransulam	Fenarimol	Isoxathion	Pirimiphos-methyl	Trichlorfon
Clothianidin	Fenbuconazole	Ivermectin B1a	Prallethrin	Trichloronat
Coumaphos	Fenchlorazol-ethyl	* Jasmolin I + II	Pretilachlor	2,4,6-Trichlorophenol
4-CPA	Fenchlorphos	Jodfenphos	Prochloraz +++	Triclopyr
Crimidine	Fenchlorphos oxon	Kresoxim-methyl	Procymidone	Tricyclazole
Cyanazine	Fenhexamid	Lenacil	Profenofos	Trifloxystrobin
Cyanofenphos	Fenitrothion	Leptophos	Profluralin	Trifloxysulfuron
Cyanophos	Fenobucarb (Baycarb)	Linuron	Promecarb	Triflumizole
Cyantraniliprole	Fenoxaprop-P-ethyl	Lufenuron	Prometryn	Triflunuron
Cyazofamid	Fenoxycarb	Malaoxon	Propachlor	Trifluralin
* Cycloate +	Fenpiclonil	Malathion	* Propamocarb	Triticonazole
Cycloxydim (2 isomers)	Fenpropathrin	Mandipropamid	Propanil	* Tritosulfuron
Cyflufenamid	* Fenpropidin	MCPA ++	Propaquizafop	Uniconazole-P
Cyflumetofen	Fenpropimorph +	MCPA ethylhexyl	Propargite	* Valifenalate (2 isomers)
Cyfluthrin (4 isomers)	Fenpyrazamine	MCPA methyl	Propazine	* Vamidothion
Cyhalofop-butyl	* Fenpyroximate +	MCPA thioethyl	Propetamphos	Vinclozolin +++
Cyhalothrin-A	Fenson	Mecarbam	Propham	Zoxamide

+ semi quantitative, ++ no esters included, +++ no metabolites included, * parameters not accredited by EN ISO/IEC 17025:2017



Testing
Certificate No 120

Responsible of the Laboratory

Artemis Haralabakopoulos, Chemist Ph.D.
Residues Lab Supervisor

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