

## RELATÓRIO DE ENSAIO

### Informação

**Código do Relatório:** 114710 **Código do LabTox:** R1620/2015  
**Data de Recebimento :** 27/04/2015 **Código da OS ITEP:** 1867/2015  
**Data do Relatório:** 05/05/2015  
**Cliente:** Universidade Federal Rural de Pernambuco - UFRPE  
**Endereço:** AV. Dom Manoel de Medeiros, S/N. Dois Irmãos 52171900 Recife- PE  
**Descrição da Amostra:** 01 amostra de alface, ref. 01, colhida e remetida pelo cliente.

### Análise de Resíduos de Agrotóxicos

#### Resultados GC-MS/MS, GC- ECD/ECD, GC-FPD

Composto	Concentração (mg/kg)
Nenhum	

#### Resultados LC-MS/MS

Composto	Concentração (mg/kg)
Nenhum	

### Observações

- 1- Os compostos analisados e seus respectivos Limites de Quantificação (LQ) encontram-se na lista anexa (Anexo I);
- 2- Método: POP TC 001 ver.4/rev.11, POP TC 005 ver.3/rev.10, POP TC 007 ver.03/ rev.06, TC 017 ver.6/rev.9, TC 023 ver.4/rev.6(Documentos do Sistema de Gestão da Qualidade do LabTox);
- 3- O escopo de Acreditação ( Cgcre/inmetro CRL153) está disponível em [www.inmetro.gov.br/laboratorios/rble](http://www.inmetro.gov.br/laboratorios/rble) . Outras creditações : MAPA (Portaria nº 277, de 19/08/2014), REBLAS (ANALI-058);
- 4- A amostragem é de responsabilidade do cliente. Sugestões sobre procedimentos de amostragem, se solicitadas, podem ser enviadas por telefone, fax, e-mail ou contato pessoal no laboratório. Os procedimentos sugeridos pelo laboratório (LabTox, Anexo A do POP TC004 ver.11/rev.18) são baseados no CODEX Alimentarius – Pesticide Residues in Food, Methods of Analysis and Sampling, 2nd Edition, 2000.
- 5- Os resultados deste ensaio/análise tem significação restrita e se aplica tão somente a (s) amostra (s) coletada(s) pelo cliente. O relatório de ensaio só pode ser reproduzido por completo.

Danuza Leal Telles  
Coordenador Técnico da Qualidade - CRQ 01.300.541

## ANALYSIS REPORT

### Information

**Report Code:** 114710 **LabTox Code:** R1620/2015  
**Data of Receipt:** 27/04/2015 **OS ITEP Code:** 1867/2015  
**Report Date:** 05/05/2015  
**Customer:** Universidade Federal Rural de Pernambuco - UFRPE  
**Address:** AV. Dom Manoel de Medeiros, S/N. Dois Irmãos 52171900 Recife- PE  
**Sample Description:** 01 sample of lettuce, ref. 01, collected and delivered by the customer.

### PESTICIDE RESIDUE ANALYSIS

#### Results GC-MS/MS, GC- ECD/ECD, GC-FPD

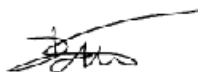
Compound	Concentration (mg/kg)
None	

#### Results LC-MS/MS

Compound	Concentration (mg/kg)
None	

### Comments

- 1 - Compounds analyzed and Limits of Quantification (LOQ) can be found attached to this report (Annex 1);
- 2 - Reference: POP TC 007 ver.3/rev.6, TC 005 ver.3/rev.10, TC 017 ver.6/rev.9, TC 023 ver.4/rev.6 (Documents of the Quality Management System of LabTox);
- 3 - Cgcre/inmetro ISO/IEC 17025 accredited scope,(CRL 153) is available at [www.inmetro.gov.br/laboratorios/rble](http://www.inmetro.gov.br/laboratorios/rble). Other certifications : MAPA ((Portaria nº 277, de 19/08/2014) and REBLAS (ANALI-058);
- 4 - Partial reproduction of this report is only with permission and results only pertain to the investigated sample;
- 5 - The customer is responsible for the sampling procedure. Suggestions on this matter, if required, can be sent by phone, fax, e-mail or contact with the laboratory staff. These suggestions, based on the Alimentarius CODEX – 2nd Edition, 2000, Methods of Sampling, are registered in the laboratory procedures: LabTox, Annex A, B and C, POP TC 004 ver.11/rev.18.



Danuza Leal Telles  
Quality Manager - CRQ 01.300.541

Pesticides Analysis List LabTox - ITEP

LC-MS/MS, GC-MS/MS, GC-ECD/ECD

Version 09/2012

1-(3,4 - Dichlorophenyl) urea	0.01	1-Naphthalene acetamide	0,01	2, 4, 6 Trichlorophenol	0.01
2,4-D	0.01	2,6-Dichlorobenzamide	0,01	2-Phenylphenol	0.01
3,4,5-Trimetacarb	0.01	Abamectin	0.005	Acephate	0.01
Acetamiprid	0.01	Acibenzolar-S-methyl	0.01	Aldicarb	0.01
Aldicarb sulfone	0.01	Aldicarb sulfoxide	0.01	Aldrin	0.01
Allethrin	0.01	Alloxydim-sodium	0.01	Ametryn	0.01
Amidosulfuron	0.01	Aminocarb	0.01	Aspon	0,01
Asulam	0.01	Atrazine	0.01	Atrazine-desethyl	0.01
Atrazine-desisopropyl	0.01	Azaconazole	0.01	Azametiphos	0.01
Azinphos-ethyl	0.01	Azinphos-methyl	0.01	Azocyclotin	0.01
Azoxystrobin	0.01	Benalaxyl	0.01	Bendiocarb	0,01
Bensulfuron methyl	0.01	Bentazone	0.01	Benzoximate	0.01
Bifenazate	0,01	Bifenox	0.01	Binfenftrin	0.01
Bitertanol	0.01	Boscalid	0.01	Bromacil	0.01
Bromophos Methyl	0,01	Bromophos-ethyl	0.01	Bromopropylate	0.01
Bromuconazole	0.01	Bupirimate	0.01	Buprofezin	0.01
Butachlor	0,01	Butocarboxim	0.01	Carbaryl	0.01
Carbendazim (Carbedazin + Benomyl + thiophanate methyl)	0.01	Carbetamide	0.01	Carbofenothion	0.01
Carbofuran	0.01	Carbofuran-3-hydroxy	0.01	Carbosulfan	0.01
Carboxin	0.01	Carfentrazone ethyl	0,01	Carpropamid	0.01
Chinomethionat	0.01	Chlomazone	0.01	Chlorantranilipore	0,01
Chlorantraniliprole	0.01	Chlorbromuron	0.01	Chlordane	0,01
Chlordane alfa	0,01	Chlordane gama	0,01	Chlordimeform	0,01
Chlorfenapyr	0,05	Chlorfenvinphos	0.01	Chlorfluazuron	0.01
Chloridazon	0.01	Chlorimuron ethyl	0,01	Chloritoluron	0,01
Chlormephos	0.01	Chlorothalonil	0.01	Chloroxuron	0.01
Chlorpropham	0.01	Chlorpyrifos	0.01	Chlorsulfuron	0.01
Chlorthiophos	0.01	Chlozolinate	0.01	Cinosulfuron	0.01
Clethodim	0.01	Clofentezine	0.01	Clorpirifos	0,01
Clorthiamid	0.01	Clothianidin	0.01	Coumaphos	0.01
Crotoxyphos	0.01	Cumyluron	0,01	Cyanazine	0.01
Cyanofenphos	0.01	Cyazofamide	0.01	Cycloate	0.01
Cyfloxydim	0.01	Cyflufenamide	0,01	Cyfluthrin (1,2,3,4)	0.05
Cyhexatin	0.01	Cymoxanil	0.01	Cypermethrin (1,2,3,4)	0,02
Cyproconazole	0.01	Cyprodinil	0.01	Daimuron	0,01
DDT total	0.01	Decachlorobiphenyl	0.01	Deltamethrin	0.02
Demeton-S-methyl	0.01	Demeton-S-methyl sulfoxide	0.01	Desmedipham	0.01
diafenthion	0.01	Diazinone	0.01	Dichlofenthion	0.01
Dichlorvos	0.01	Dicloran	0.01	Dicrotophos	0.01
Dieldrin	0.01	Diethofencarb	0.01	Difenilamine	0.01
Difenoconazole (1,2)	0.01	Difenoxuron	0.01	Diflubenzuron	0.01
Diflufenican	0.01	Dimefuron	0.01	Dimethenamid	0,01
Dimethoate	0.01	Dimethomorph	0.01	Dimoxystrobin	0.01
Diniconazole	0.01	Dinotefuran	0,01	Dioxacarb	0.01
Dioxathion	0.01	Disulfoton	0.01	Disulfoton sulfone	0.01
Dithiocarbamates, as CS2	0.06	Diuron	0.01	DMSA	0.01
DMST	0.01	DNOC	0.01	Dodemorph	0.01
Dodine	0,01	Doramectin	0.01	Emamectin	0.01
Endosulfan (alpha, beta e sulfato)	0.01	Endosulfan alpha	0.01	Endosulfan beta	0.01
Endosulfan sulfate	0.01	Endrin	0.01	EPN	0.01
Epoxiconazole	0.01	Eprinomectin	0.01	Esfenvarelate	0.01
Esprocarb	0,01	Etaconazole	0,01	Ethidimuron	0.01
Ethiofencarb sulfone	0.01	Ethiofencarb sulfoxide	0.01	Ethion	0.01
Ethiprole	0.01	Ethirimol	0.01	Ethofumesate	0.01
Ethoprophos	0.01	Ethoxyquin	0,01	Etobenzanid	0,01
Etofenprox	0.01	Etoxazole	0,01	Etridiazole	0.01
Etrimfos	0.01	Famoxadone	0.01	Fenamidone	0.01
Fenamiphos	0.01	Fenarimol	0.01	Fenazaquin	0.01
Fenbuconazole	0.01	Fenbutatin oxide	0,01	Fenfuram	0.01
Fenhexamid	0.01	Fenitrothion	0.03	Fenoprop	0.01
Fenoxaprop-P-ethyl	0.01	Fenoxycarb	0.01	Fenpiclonil	0.01
Fenpropathrin	0.01	Fenpropidin	0.01	Fenpropimorph	0.01
Fenpyroximate	0.01	Fenthion	0.01	Fenthion Sulfoxide	0.01
Fenuron	0.01	Fenvarelate	0.01	Fipronil	0.01
Flanprop-isopropyl	0.01	Flanprop-methyl	0.01	Flazasulfuron	0.01
Flonicamid	0,01	Fluazifop-P-butyl	0.01	Fluazinam	0.01
Flubendiamide	0.01	Fludioxonil	0.01	Flufenacete	0.01
Flufenoxuron	0.01	Fluoroglycofen ethyl	0.01	Fluorometuron	0.01
Fluoxastrobin	0,01	Fluquinconazole	0.01	Fluroxypyr-meptyl	0.01
Flusilazole	0.01	Flusulfamide	0,01	Flutolanil	0.01

Flutriafol	0.01	Forchlorfenuron	0,01	Formetanate hydrochloride	0.01
Fosthiazate	0.01	Fuberidazol	0,01	Furalaxyl	0.01
Furathiocarb	0.01	Halofenozide	0.01	Haloxyfop-R-methyl	0.01
HCB	0.01	HCH (alpha, beta e delta)	0.01	Heptachlor	0.01
Heptachlor epoxide	0.01	Heptenophos	0.01	Hexaconazole	0.01
Hexaflumuron	0.01	Hexythiazox	0.01	Imazalil	0.01
Imazapyr	0.01	Imazasulfuron	0,01	Imazethapyr	0,01
Imibenconazole	0.01	Imibenconazole desbenzyl	0.01	Imidacloprid	0.01
Indoxacarb	0.01	Ioxynil	0,01	Iprodione	0.01
Iprovalicarb	0.01	Isazofos	0.01	Isocarbamid	0,01
Isocarbophos	0,01	Isofenphos	0.01	Isoprocab	0,01
Isoprothiolane	0.01	Isoproturon	0.01	Isoxaflutole	0.01
Isoxathion	0.01	Ivermectin	0,01	Karbutilate	0.01
Kresoxim - methyl	0.01	Lactofen	0,01	Lambda-cyhalothrin	0.01
Lindane	0.01	Linuron	0.01	Lufenuron	0.01
Malaoxon	0.01	Malathion	0.01	Mandipropamid	0.01
MCPA	0.01	Mecarbam	0.01	Mefenacet	0.01
Mepanipyrim	0.01	Mephosfolan	0.01	Mepronil	0.01
Mesotrione	0.01	Metabenziazuron	0.01	Metaflumizone	0.01
Metalaxyl-M	0.01	Metamitron	0.01	Metconazole	0.01
Methacrifos	0.01	Methamidophos	0.01	Methidathion	0.01
Methiocarb	0.01	Methiocarb sulfone	0.01	Methiocarb sulfoxide	0.01
Methomyl	0.01	Metobromuron	0.01	Metolachlor	0.01
Metoxichlor	0,01	Metoxifenozone	0.01	Metoxuron	0.01
Metrafenone	0,01	Metribuzin	0.01	Metroprotryne	0,01
Metsulfuron-methyl	0.01	Mevinphos (cis and trans)	0.01	Mirex	0.01
Monocrotophos	0.01	Monolinuron	0.01	Moxidectin	0.01
Myclobutanil	0.01	Napropamide	0.01	Neburon	0.01
Nitenpyram	0.01	Norflurazon	0,01	Novaluron	0.01
Noviflumuron	0.01	Nuarimol	0.01	Ofurace	0.01
Omethoate	0.01	Oxadixyl	0.01	Oxamyl	0.01
Oxycarboxin	0.01	Oxyfluorfen	0.01	Pacllobutrazol	0.01
Paraoxon-ethyl	0.01	Parathion-ethyl	0.01	Parathion-methyl	0.01
Penconazole	0.01	Pencycuron	0.01	Pendimethalin	0.01
Permethrin (cis and trans)	0.01	phenmedipham	0,01	Phenthoate	0.01
Phorate	0.01	Phorate sulfoxide	0.01	Phosalone	0.01
Phosmet	0.01	Phosphamidon	0.01	Phoxim	0.01
Picoxystrobin	0.01	Piperonyl butoxide	0.01	Pirimicarb	0.01
Pirimicarb-desmethyl	0.01	Pirimiphos-ethyl	0.01	Pirimiphos-methyl	0.01
Prochloraz( Prochloraz + 2,4,6 Trichlorophenol)	0.01	Procymidone	0.01	Profenofos	0.01
Prometon	0.01	Prometryn	0.01	Pronamide	0.01
Propamocarb	0.01	Propanil	0.01	Propargit	0.01
Propetamphos	0.01	Propiconazole (1 and 2)	0.01	Propyzamide	0.01
Proquinazid	0.01	Prosulfocarb	0.01	Prosulfuron	0.01
Pymetrozine	0.01	Pyraclostrobin	0.01	Pyraclostrobin metabolite	
Pyrazophos	0.01	Pyrazosulfuron-ethyl	0.01	Pyridaben	0,5
Pyridaphenthion	0.01	Pyrifenox	0.01	Pyrimethanil	0.01
Pyriproxyfen	0.01	Quimerac	0.01	Quinalphos	0,01
Quinoxifen	0.01	Quintozene	0.02	Quizalofop-ethyl	0.01
Rimsulfuron	0.01	Rotenone	0.01	Sebumenton	0,01
Siduron	0.01	Simazine	0.01	Simetryn	0.01
Spinetoram	0.01	Spinosad (A and D)	0.01	Spiroclifofen	0.01
Spiromesifen	0.01	Spirotetramat	0,01	Spiroxamine	0.01
Sulfentrazone	0.01	Sulfosulfuron	0.01	Sulfotep	0.01
Sulprofos	0.01	Tau-fluvalinate	0.01	Tebuconazole	0.01
Tebufenozide	0.01	Tebufenpyrad	0.01	Tebutam	0.01
Tebuthiuron	0,01	Teflubenzuron	0.01	Tefluthrin	0.01
Temephos	0.01	Tepraloxydim	0.01	Terbufos	0.01
Terbumeton	0.01	Tetraconazole	0.01	Tetradifon	0.05
Thiabendazole	0.01	Thiacloprid	0.01	Thiametoxam	0.01
Thidiazuron	0.01	Thifensulfuron-methyl	0.01	Thiobencarb	0.01
Thiophanate methyl	0.01	Thiophanox	0.01	Thiophanox sulfone	0.01
Thiophanox sulfoxide	0.01	Tolclofos-methyl	0.01	Triadimefon	0.01
Triadimenol	0.01	Triasulfuron	0.01	Triazophos	0.01
Trichlorfon	0.01	Tricyclazole	0.01	Tridemorph	0.01
Trifloxystrobin	0.01	Trifloxysulfuron	0,01	Triflumizole	0.01
Triflumuron	0.01	Trifluralin	0.01	Triflusulfuron-methyl	0.01
Triforine	0.01	Triticonazole	0.01	Uniconazole	0,01
Vamidothion	0.01	Vinclozolin	0.01	Zoxamide	0.01