

## Application form of Requirements for Agro-Pesticide Registration (biochemical agents)

Applicant	(Stamp)		Address		
Person in charge	(Stamp)				
Tel. No.		Fax.		E-mail	
Common name			Target pests		
Application category	<input type="checkbox"/> A. New active ingredients <input type="checkbox"/> B. New formulation or content(includes mixture) <input type="checkbox"/> C. New range of use <input type="checkbox"/> D. Have been registered for 8 years ( <input type="checkbox"/> New source technical material) <input type="checkbox"/> S. Other ( _____ ) Please fill or check the box to select the item				
Has applied for or registered for:					
Product	Intended use		License No.		

## 1. Product Informaton :

## 1.1 Identity

1.1.1 Formulation and concentration: \_\_\_\_\_

1.1.2 Brand name (product code): Chinese name: \_\_\_\_\_ English name: \_\_\_\_\_

## 1.2 Active ingredients: (If more than one, please use additional fields)

1.2.1 Common Name: (Chinese) \_\_\_\_\_

(English) \_\_\_\_\_

1.2.2 Chemical name: (IUPAC) \_\_\_\_\_

(CA) \_\_\_\_\_

1.2.4 Molecular formula \_\_\_\_\_

1.2.5 Molecular weight \_\_\_\_\_

1.2.6 CAS RN \_\_\_\_\_

1.2.7 CIPAC # : \_\_\_\_\_

1.2.8 RAC code \_\_\_\_\_

1.2.9 Classification \_\_\_\_\_

1.2.10 Mode of action \_\_\_\_\_

1.2.3 Structure formula :

2. The composition and physical-chemical properties of the technical grade agro-pesticide (If more than one, please use additional fields)

2.1 Nominal content (or certified limited) :

✕The value should be based on the five batch

analysis data

2.2 Manufacturer:

2.2.1 Name

2.2.2 Address

2.2.3 Country

2.2.4 Source of authority

2.3 Registration Company

2.4 License No.

2.5 Composition

2.5.1 Data information

Report title:

Report No.

Report date :

Test facility:

GLP registered  
org.:  Yes, Registered  
No., Country,  
Expiration date

No

2.5.2 The composition of technical material (TC):

	No.	Name or code	Chemical name	CAS No	Content (%)			Remarks
					Upper limit	Lower limit	Mean $\pm$ SD	
Active ingredients:	1							
	2							
Other ingredients : (impurity)	1							
	2							

## 2.5.3 The composition of technical concentrate (TK):

	No.	Name or code	Chemical name	CAS No	Content (%)	Remarks
Active ingredients:	1	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____
Other ingredients	1	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____

## 2.6 The physical-chemical properties of technical material(TC)

Test item	Result	Test material (purity / batch No.)	Condition and Method	Test facility (GLP registered status)and report No.
2.6.1 Physical state	_____	_____	_____	_____
2.6.2 Color	_____	_____	_____	_____
2.6.3 Odor	_____	_____	_____	_____
2.6.4 pH values	_____	_____	_____	_____
2.6.5 Melting point	_____	_____	_____	_____
2.6.6 Boiling point	_____	_____	_____	_____
2.6.7 Density,Specific gravity,Bulk density	_____	_____	_____	_____
2.6.8 Vapor pressure	_____	_____	_____	_____
2.6.9 Solubility				
2.6.9.1 Water	_____	_____	_____	_____
2.6.9.2 Solvent	_____	_____	_____	_____
2.6.10 Viscosity	_____	_____	_____	_____
2.6.11 Stability				
2.6.11.1 Heat	_____	_____	_____	_____
2.6.11.2 Metal	_____	_____	_____	_____
2.6.11.3 Light	_____	_____	_____	_____
2.6.12 Miscibility	_____	_____	_____	_____

## 2.6.13 Flammability

## 2.6.13.1 Flash point

## 2.6.13.2 Flammable

## 2.6.13.3

## Autoignition temperature

## 2.6.14 Explodability

## 2.6.15

## Corrosive characteristics

## 2.6.16

## Storage stability

## 2.6.17

## Partition coefficient

## 2.6.18

## Dissociation constant

2.7 The physical-chemical  
properties of technical  
concentrate(TK)

Test item	Result	Test substance (purity / batch No.)	Test Methods And conditions	Test facility (GLP registered status)and report No.
2.7.1 Physical state				
2.7.2 Color				
2.7.3 Odor				
2.7.4 pH				
2.7.5 Density,Specific gravity,Bulk density				
2.7.6 Viscosity				
2.7.7 Flammability				
2.7.7.1 Flash point				
2.7.7.2 Flammable				

2.7.7.3 Autoignition temperature				
2.7.8 Explodability				
2.7.9 Corrosive characteristics				
2.7.10 Storage stability				

### 3. Formulated agro-pesticide composition and Physico-chemical Property

3.1 Active Ingredient content \_\_\_\_\_

3.2 Manufacturing \_\_\_\_\_

3.2.1 Name \_\_\_\_\_

3.2.2 Address \_\_\_\_\_

3.2.3 Country \_\_\_\_\_

3.2.4 Sources of authority \_\_\_\_\_

3.3 Registration Company \_\_\_\_\_

3.5 License Number \_\_\_\_\_

3.5 Compostion :

	No.	Name or code	Chemical Name	CAS No	Content (%)	Agents Function
Active ingredients	1	_____	_____	_____	_____	_____
Other ingredients	1	_____	_____	_____	_____	_____
	2	_____	_____	_____	_____	_____

3.6 formulated agro-pesticide for Physico-chemical Property

Test Item	Results	Substance to be Tested (Purity/Batch No.)	Testing methods and condition	Test Unit (GLP login status) and report number
3.6.1 Physical state	_____	_____	_____	_____
3.6.2 Color	_____	_____	_____	_____
3.6.3 Odor	_____	_____	_____	_____
3.6.4 pH	_____	_____	_____	_____

3.6.5 Density, Specific  
gravity, Bulk  
density

3.6.6 Viscosity

3.6.7 Miscibility

3.6.8 Flammability

3.6.8.1

Flash point

3.6.8.2

Flammable

3.6.8.3

Autoignition  
temperature

3.6.9 Explodability

3.6.10 Corrosive  
characteristics

3.6.11

Storage stability

#### 4、Quality control

##### 4.1 composition analysis

	Batch NO.	Results	standard certified limits	Analysis method and condition
4.1.1				
Technical grade agro-pesticide				
4.1.1.1				
Active ingredients				
4.1.1.2				
hazardous impurities				
4.1.1.3				
Other ingredients				

4.1.2.1

Active ingredients

\_\_\_\_\_

4.1.2.2

Other hazardous impurities

\_\_\_\_\_

4.2 specifications of the formulated agro-pesticide formulation.

Specifications Item	Batch NO.	Results	standard certified limits	Analysis method and condition
Emulsion stability			_____	
Suspensibility			_____	
Spontaneity of dispersion			_____	
Foaming			_____	
wettability			_____	
Degree of fineness			_____	
Particle size			_____	
Solubility			_____	
Other( <u>fill in name</u> )			_____	

## 5、Toxicology study

## 5.1 Acute toxicity testing

## 5.1.1 Oral toxicity

Rat	female	LD <sub>50</sub> _____	mg/Kg (T.C.) ;	LD <sub>50</sub> _____	mg/Kg (Formulated agro-pesticide)
	male	LD <sub>50</sub> _____	mg/Kg (T.C.) ;	LD <sub>50</sub> _____	mg/Kg (Formulated agro-pesticide)
Mice	female	LD <sub>50</sub> _____	mg/Kg (T.C.) ;	LD <sub>50</sub> _____	mg/Kg (Formulated agro-pesticide)
	male	LD <sub>50</sub> _____	mg/Kg (T.C.) ;	LD <sub>50</sub> _____	mg/Kg (Formulated agro-pesticide)

## 5.1.2 Dermal toxicity

Rabbit	LD <sub>50</sub> _____	mg/Kg (T.C.) ;	LD <sub>50</sub> _____	mg/Kg (Formulated agro-pesticide)
Other animal (Rat)	LD <sub>50</sub> _____	mg/Kg (T.C.) ;	LD <sub>50</sub> _____	mg/Kg (Formulated agro-pesticide)

## 5.1.3 Inhalation toxicity

Rat	female	LC <sub>50</sub> _____	mg/L (T.C.) ;	LC <sub>50</sub> _____	mg/L (Formulated agro-pesticide)
	male	LC <sub>50</sub> _____	mg/L (T.C.) ;	LC <sub>50</sub> _____	mg/L (Formulated agro-pesticide)
Other animal (_____)	LC <sub>50</sub> _____	mg/L (T.C.) ;	LC <sub>50</sub> _____	mg/L (Formulated agro-pesticide)	

## 5.1.4 Eye irritation

T.C. :

Formulated  
agro-pesticide :

## 5.1.5 Skin irritation

T.C. :

Formulated  
agro-pesticide :

## 5.1.6 Skin sensitization

T.C. :

Formulated  
agro-pesticide :

## 5.1.7 Immune response



T.C. :

## 5.2 Subchronic testing (Note : NOAEL, no observed effect level)

## 5.2.1 90-day feeding toxicity

Rat	female	NOAEL _____	mg/kg/day
	male	NOAEL _____	mg/kg/day
Mice	female	NOAEL _____	mg/kg/day
	male	NOAEL _____	mg/kg/day
Other animal	(female/ male)	NOAEL _____	mg/kg/day

## 5.3 Chronic toxicity testing

## 5.3.1 Chronic feeding toxicity

Rat	female	NOAEL _____	mg/kg/day
	male	NOAEL _____	mg/kg/day
Mice	female	NOAEL _____	mg/kg/day
	male	NOAEL _____	mg/kg/day
Dog	female	NOAEL _____	mg/kg/day
	male	NOAEL _____	mg/kg/day

## 5.3.2 Oncogenicity testing (Note : NOAEL, no observed effect level)

Rat	female	Oncogenicity NOAEL _____ mg/kg/day ; Oncogenicity NOAEL _____ mg/kg/day
	male	Oncogenicity NOAEL _____ mg/kg/day ; Oncogenicity NOAEL _____ mg/kg/day
Mice	female	Oncogenicity NOAEL _____ mg/kg/day ; Oncogenicity NOAEL _____ mg/kg/day
	male	Oncogenicity NOAEL _____ mg/kg/day ; Oncogenicity NOAEL _____ mg/kg/day
Dog	female	Oncogenicity NOAEL _____ mg/kg/day ; Oncogenicity NOAEL _____ mg/kg/day
	male	Oncogenicity NOAEL _____ mg/kg/day ; Oncogenicity NOAEL _____ mg/kg/day

## 5.3.3 Prenatal developmental toxicity

Rat/Other animal(____)	NOAEL :	Maternal _____ mg/kg/day	;	Embryo/Fetal _____ mg/kg/day
Rabbit/Other animal(____)	NOAEL :	Maternal _____ mg/kg/day	;	Embryo/Fetal _____ mg/kg/day

## 5.4 Mutagenicity testing

## 5.4.1 Bacterial reverse gene mutation assay :

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 Positive \_\_\_\_\_ Dose \_\_\_\_\_ ; Negative \_\_\_\_\_
 

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5.4.2 *In vitro* mammalian cell assay :

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 Positive \_\_\_\_\_ Dose \_\_\_\_\_ ; Negative \_\_\_\_\_
 

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5.4.3 *In vivo* cytogenetics :

Positive	Dose	; Negative	✓
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## 5.5 Avian and aquatic toxicity

## 5.5.1 Fresh water fish Other ( ) :

LC<sub>50</sub> (96hr) , T.C. \_\_\_\_\_ mg/L ; Formulated \_\_\_\_\_ mg/L  
 \_\_\_\_\_ agro-pesticide

## 5.5.2 Invertebrate aquatic toxicity ( ) :

EC<sub>50</sub> (48hr) , T.C. \_\_\_\_\_ mg/L ; Formulated \_\_\_\_\_ mg/L  
 \_\_\_\_\_ agro-pesticide

## 5.5.3 Avian toxicity (T.C.) :

Avian : \_\_\_\_\_ Acute oral toxicity LD<sub>50</sub> \_\_\_\_\_ mg/kg

6. Efficacy trials and crop safety (phytotoxicity) trials  
 Brief summary of conducted year, nations or locations, dosages of test product used and replicates per treatment in trials

6. Crop Common name and scientific name of crop

Targets controlled Common name and scientific name of plant insect/disease/weed.

7. Field of Use and Notes  
 Dilution rate:  
 Product kg or Liter per hectare:  
 Application stage:  
 Application interval:  
 Application number:  
 Notes on application:

## 8. Residue data :

8. Crop/variety : ; Pest : ; dilution rate :  
 Rate:g ai/ha : ; applied at rates of g of (a.i.) in L of water :  
 Fraction at harvest : \_\_\_\_\_

The result of residual experiment: trial no: completed trial validation trial (one trial, one table)

(DAL A)*	Residues (ppm)								
	pesticide			metabolites			metabolites		
	control	Rate (low dose):	Rate (high dose):	control	Rate (low dose): g	Rate (high dose): g	control	Rate(low dose): g ai/ha	Rate (high dose): g

		g ai/ha	g ai/ha		ai/ha	ai/ha			ai/ha

\* : Days after the last application

#### 9、MRLs information :

Please fill the announced international MRLs and residue definition on agricultural products for applying pesticide registration, such as MRL/residue definition of one pesticide on grape ) : Codex=1.0 ppm/active ingredient A + metabolite B ; EU=0.5 ppm/ active ingredient A + metabolite B + metabolite C ; US=2.0 ppm/ active ingredient A + metabolite B ; Japan=2.0 ppm/ active ingredient A+ metabolite B ; Australia=1.0 ppm/active ingredient A... °