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	□ A. New active ingredients □ B. New formulation or content(includes mixture) □ C. New range of use □ D. Have been registered for 8 years (□New source technical material) □ 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 (%) Upper limit	Lower limit	Mean ±SD	Remarks
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				
2.6.9.1Water				
2.6.9.2 Solvent				
2.6.10 Viscosity				
2.6.11 Stability				
2.6.11.1 Heat				
2.6.11.2Metal				
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

4.1composition 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(fill in name)				

5、Toxicology study

5.1 Acute toxicity testing

5..1.1 Oral toxicity

Rat	female	LD_{50}	_____	mg/Kg (T.C.)；	LD_{50}	_____	mg/Kg (Formulated agro-pesticide)
	male	LD_{50}	_____	mg/Kg (T.C.)；	LD_{50}	_____	mg/Kg (Formulated agro-pesticide)
Mice	female	LD_{50}	_____	mg/Kg (T.C.)；	LD_{50}	_____	mg/Kg (Formulated agro-pesticide)
	male	LD_{50}	_____	mg/Kg (T.C.)；	LD_{50}	_____	mg/Kg (Formulated agro-pesticide)

5.1.2 Dermal toxicity

Rabbit		LD_{50}	_____	mg/Kg (T.C.)；	LD_{50}	_____	mg/Kg (Formulated agro-pesticide)
Other animal (Rat)		LD_{50}	_____	mg/Kg (T.C.)；	LD_{50}	_____	mg/Kg (Formulated agro-pesticide)

5.1.3 Inhalation toxicity

Rat	female	LC_{50}	_____	mg/L (T.C.)；	LC_{50}	_____	mg/L (Formulated agro-pesticide)
	male	LC_{50}	_____	mg/L (T.C.)；	LC_{50}	_____	mg/L (Formulated agro-pesticide)
Other animal (____)		LC_{50}	_____	mg/L (T.C.)；	LC_{50}	_____	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

5.4.1Bacterial reverse gene mutation assay：

_____

Positive Dose ; Negative

5.4.2 *In vitro* mammalian cell assay：

_____

Positive Dose ; Negative

5.4.3 *In vivo* cytogenetics：

Positive Dose ; Negative ✓

5.5 Avian and aquatic toxicity

5.5.1 Fresh water fish Other ( )：

LC_{50} (96hr) , T.C. mg/L ; Formulated mg/L agro-pesticide

5.5.2 Invetabrate aquatic toxicity ( )：

EC_{50} (48hr) , T.C. mg/L ; Formulated mg/L agro-pesticide

5.5.3 Avian toxicity (T.C.)：

Avian： Acute oral toxicity LD_{50} 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 harves：

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

(DALA)*	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…。