Areas of Expertise/ Type of studies

Sl. No.	Area of Expertise	Type of Study	Sub-studies
A	Physical-chemical Testing (Including Five Batch Analysis)		
В	Toxicity Studies		
1		Acute Toxicity	
2		Bacterial Endotoxin Test	
3		Carcinogenicity	
4		Cytotoxicity	
5		Developmental and Reproductive Toxicity	One generationExtended one generationTwo generation
6		Endocrine Disruptor Assay (in vitro)	 H295R Steroidogenesis Assay in vitro Oestrogen Receptor Binding Assay in vitro Androgen Receptor Transactivation Assay
7		Endocrine Disruptor Assay (in vivo)	Hershberger BioassayUterotrophic Bioassay
8		Eye Irritation/ Serious Eye Damage (in vitro)	
9		Eye Irritation/ Serious Eye Damage (in vivo)	
10		Eye Irritation/ Serious Eye Damage (ex vivo)	
11		Immunogenicity	
12		Immunotoxicity	
13		Inhalation Toxicity	
14		Neurotoxicity	AcuteChronicDelayed Developmental
15		Phototoxicity (in vitro)	
16		Phototoxicity (in vivo)	
17		Pyrogenicity	
18		Repeated Dose Toxicity	Sub-acuteSub-chronicChronic
19		Skin Absorption (in vitro)	
20		Skin Irritation/ Corrosion (in vitro)	
21		Skin Irritation/ Corrosion (in vivo)	
22		Skin Sensitization (in chemico)	

23		Skin Sensitization (in silico)		
24		Skin Sensitization (in vitro)		
25		Skin Sensitization (in vivo)		
26		Others		
С	Mutagenicity Studies			
1		Bacterial Reverse Mutation (AMES) Test		
2		Cell Gene Mutation Test		
3		Chromosomal Aberration Test (in vitro)		
4		Chromosomal Aberration Test (in vivo)		
5		Comet Assay (in vitro)		
6		Comet Assay (in vivo)		
7		Micronucleus Test (in vitro)		
8		Micronucleus Test (in vivo)		
9		Others		
D	Toxicity Studies on Aquatic and	Aquatic	•	Acute Repeated Dose Reproductive Acute
	Organisms	Terrestrial	•	Repeated Dose Reproductive
E	Studies on Behavior in Water, Soil and Air; Bioaccumulation			
F	Residue Studies			
G	Studies on Effects on Mesocosms and Natural Ecosystems			
Н	Analytical and Clinical Chemistry Testing			
I	Others			
1		Additional Tests for Biomedical Devices	•	Hemocompatibility Implantation
2		Bioanalysis		1
3		Bioassays		
4		Biocompatibility Studies		
5		Bioefficacy studies on household insect pests in the laboratory as per WHOPES and other standard protocols		
6		Electrocardiography Trace Analysis and Evaluation		
7		Functional Safety Testing		

8	Histopathology Slide Evaluation and Peer Review	
9	Method Validation	
10	Minimum Inhibitory Concentration (MIC) Assay	
11	Residue Analysis	
12	Safety Pharmacology	CardiovascularCNSRespiratory
13	Statistical Analysis	
14	Toxicokinetic	
15	Toxicokinetic Data Analysis	
16	Viral Clearance Studies	
17	Others	

Test systems

Sl. No.	Test Systems (Major)	Sub-Test Systems
1	Aquatic Organisms	 Algae Amphibians Aquatic Plant Blue Green Algae Daphnia Duckweed Fish-Cold Water Fish-Warm Water Larvae Phytoplankton Water Flea Zooplankton
2	Terrestrial Organisms	 Bird(s) Insect(s) Mites Snail Worms
3	Biological Matrices	 Body Organs Tissues Body Fluids Fertile Chicken Egg Hen's Egg Chorioallantoic Membrane Sub-cellular fractions Recombinant Enzymes
4	Cell Line	 3D Culture Primary Culture Transformed Cell lines Stem Cells/ iPSCs
5	Plants and Seeds	
6	Soil and Water	

7	Small animals	 Guinea Pig Hamster Mice Rabbit
		• Rats
8	Large animals	• Dog
		• Goat
		Mini Pig
		Monkey
		• Swine
9	Microbes	Bacteria
		• Fungi
		• Virus