



SN - De202/22/210420

**CENTRE FOR PLANT MEDICINE RESEARCH**  
**PHARMACOLOGY & TOXICOLOGY DEPARTMENT**

Product Code	Product Form	Date Received	Date Analysed	Test Conducted
De/087/21	Decoction	27 <sup>th</sup> April, 2021	18 <sup>th</sup> May, 2021	Acute Toxicity Test

**RESULTS:**

Table Showing Results of Acute Toxicity Test on Decoction (De/087/21) in Wistar Rat.

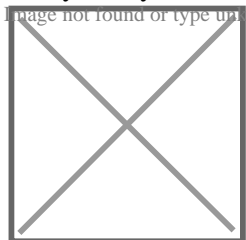
Animal Model	Wistar Rat
No. of Animals	Females
Sex	12
No. of Groups	2 (n=6)
Route of Administration	Oral
Formulation	Decoction (De/087/21)
Preparation	Freeze-dried sample of De/087/21
Dose Administered (mg/kg)	5000
Period of Observation	14 Days
No. of Deaths Recorded	Nil
Estimated Median Lethal Dose (LD <sub>50</sub> )	Greater than 5000 mg/kg
Physical Sign of Toxicity	Nil

**REMARKS:**

The LD<sub>50</sub> is estimated to be greater than 5000 mg/kg which is greater or equal to level 5 on the Hodge and Sterner Scale<sup>1</sup> and also 484 times more than the recommended dose (3 tablespoonful daily equivalent to 10.32mg/kg), as indicated by the manufacturer. Thus, De/087/21 may not be toxic and is within the accepted margin of safety (Hodge and Sterner Scale) at the recommended dose.

Analysed by

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Mr. Stephen Antwi  
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Approved by

Dr. Orleans Martey  
Snr. Research Scientist

**Reference:** 1- Canadian Centre for Occupation Health and Safety (2019)

