

SN - De8/22/210303

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

Product Code	Product Form	Date Received	Date Analysed	Test Conducted
De/004/21	Decoction	16 <sup>th</sup> April, 2021	5 <sup>th</sup> May, 2021	Acute Toxicity Test

**RESULTS:**

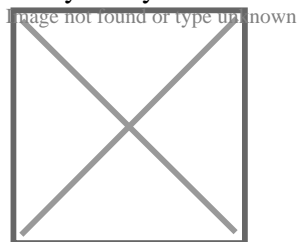
Table Showing Results of Acute Toxicity Test on Decoction (De/004/21) in Wistar Rats.

Animal Model	Wistar Rats
No. of Animals	12
Sex	Male
No. of Groups	2(N = 6)
Route of Administration	Oral
Formulation	Decoction (De/004/21 )
Preparation	Freeze - dried sample of De/004/21
Dose Administered	5000 mg/kg
Period of Observation	14 Days
No. of Deaths Recorded	Nil
Estimated Median Lethal Dose (LD <sub>50</sub> )	5000 mg/kg
Physical Signs of Toxicity	Nil

**REMARKS:**

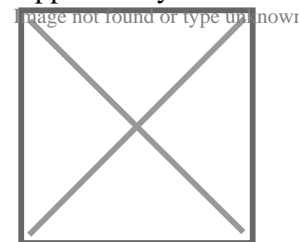
The LD<sub>50</sub> is estimated to be greater than 5000 mg/kg which is greater or equal to level 5 on the Hodge and Sterner Scale<sup>1</sup> and also 309 times more than the recommended dose (6 tablespoons 2x daily equivalent to 16.2 mg/kg), as indicated by the manufacturer. Thus, De/004/21 may not be toxic and is within the accepted margin of safety (Hodge and Sterner Scale) at the recommended dose.

Analysed by



Mr. Stephen Antwi  
Research Scientist

Approved by



Dr. Orleans Martey  
Snr. Research Scientist

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