



SN - De26/22/210304

CENTRE FOR PLANT MEDICINE RESEARCH
PHARMACOLOGY & TOXICOLOGY DEPARTMENT

Product Code	Product Form	Date Received	Date Analysed	Test Conducted
De/022/21	Decoction	9 th February, 2021	15 th March, 2021	Acute Toxicity Test

RESULTS:

Table Showing Results of Acute Toxicity Test on Decoction (De/022/21) in Sprague Dawley Rat.

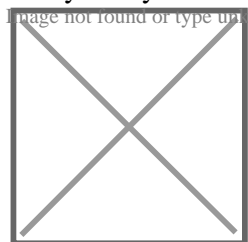
Animal Model	Sprague Dawley Rat
No. of Animals	12
Sex	Female
No. of Groups	2(n=6)
Route of Administration	Oral
Formulation	Decoction
Preparation	Freeze - dried sample of De/022/21
Dose Administered	5000 mg/kg
Period of Observation	14 Days
No. of Deaths Recorded	Nil
Estimated Median Lethal Dose (LD ₅₀)	Greater than 5000 mg/kg
Physical Signs of Toxicity	Nil

REMARKS:

The LD₅₀ is estimated to be greater than 5000 mg/kg which is greater or equal to level 5 on the Hodge and Sterner Scale¹ and also 1148 times more than the recommended dose (one tablespoonful thrice daily, equivalent to 4.36 mg/kg), as indicated by the manufacturer. Thus, De/022/21 may not be toxic and is within the accepted margin of safety (Hodge and Sterner Scale) at the recommended dose.

Analysed by

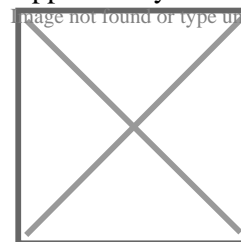
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Mr. Stephen Antwi
Research Scientist

Approved by

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Dr. Orleans Martey
Snr. Research Scientist

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

