



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 th April, 2021	5 th 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	Male
Sex	12
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 (mg/kg)	5000
Period of Observation	14 Days
No. of Deaths Recorded	Nil
Estimated Median Lethal Dose (LD ₅₀)	5000 mg/kg
Physical Sign 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 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

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Approved by

Dr. Orleans Martey
Snr. Research Scientist

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