



SN - De12/22/210303

CENTRE FOR PLANT MEDICINE RESEARCH
PHARMACOLOGY & TOXICOLOGY DEPARTMENT

Product Code	Product Form	Date Received	Date Analysed	Test Conducted
De/008/21	Decoction	21 st January, 2021	11 th March, 2021	Acute Toxicity Test

RESULTS:

Table Showing Results of Acute Toxicity Test on Decoction (De/008/21) in Wistar Rat.

Animal Model	Wistar Rat
No. of Animals	12
Sex	Male
No. of Groups	2(n=6)
Route of Administration	Oral
Formulation	Decoction
Preparation	Freeze - dried sample of De/008/21
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 139 times more than the recommended dose (four tablespoonsful twice daily, equivalent to 36.04 mg/kg), as indicated by the manufacturer. Thus, De/008/21 may not be toxic and is within the accepted margin of safety (Hodge and Sterner Scale) at the recommended dose.

Analysed by

Image not found or type unknown



Dr. Orleans Martey
Snr. Research Scientist

Approved by

Image not found or type unknown



Dr. Olga Quasie
Snr. Research Scientist

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