



SN - De769/22/220211

CENTRE FOR PLANT MEDICINE RESEARCH
PHARMACOLOGY & TOXICOLOGY DEPARTMENT

Product Code	Product Form	Date Received	Date Analysed	Test Conducted
De/012/22	Decoction	11 th February, 2022	8 th April, 2022	Acute Toxicity Test

RESULTS:

Table Showing Results of Acute Toxicity Test on Decoction (De/012/22) 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/012/22
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 383 times more than the recommended dose (four tablespoonsful thrice daily, equivalent to 13.06 mg/kg), as indicated by the manufacturer. Thus, De/012/22 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

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