



SN - Pd780/22/220218

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

Product Code	Product Form	Date Received	Date Analysed	Test Conducted
GPd/010/22	Powder	18 <sup>th</sup> February, 2022	8 <sup>th</sup> April, 2022	Acute Toxicity Test

**RESULTS:**

Table Showing Results of Acute Toxicity Test on Powder (GPd/010/22) in Wistar Rat.

Animal Model	Wistar Rat
No. of Animals	12
Sex	Male
No. of Groups	2(n=6)
Route of Administration	Oral
Formulation	Powder
Preparation	GPd/010/22
Dose Administered	5000 mg/kg
Period of Observation	14 Days
No. of Deaths Recorded	Nil
Estimated Median Lethal Dose (LD <sub>50</sub> )	Greater than 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 7 times more than the recommended dose (one tablespoonful thrice daily, equivalent to 710.14 mg/kg), as indicated by the manufacturer. Thus, GPd/010/22 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

Dr. Olga Quasie  
Snr. Research Scientist

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