



SN - De44/22/210304

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

Product Code	Product Form	Date Received	Date Analysed	Test Conducted
De/040/21	Decoction	24 <sup>th</sup> February, 2021	31 <sup>st</sup> March, 2021	Acute Toxicity Test

**RESULTS:**

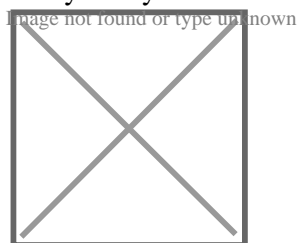
Table Showing Results of Acute Toxicity Test on Decoction (De/040/21) in Sprague Dawley Rat.

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/040/21
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:**

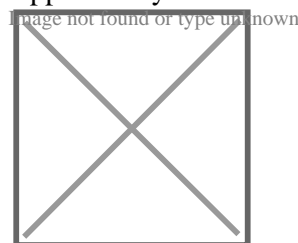
The LD<sub>50</sub> is estimated to be greater than 5000 mg/kg which is greater or equal to level 5 on the Hodge and Sterner Scale<sup>1</sup> and also 102 times more than the recommended dose (three tablespoonsful four times daily, equivalent to 49.14 mg/kg), as indicated by the manufacturer. Thus, De/040/21 may not be toxic and is within the accepted margin of safety (Hodge and Sterner Scale) at the recommended dose.

Analysed by



Dr. Orleans Martey  
Snr. Research Scientist

Approved by



Dr. Olga Quasie  
Snr. Research Scientist

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