



SN - Cp142/21/210319

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

Product Code	Product Form	Date Received	Date Analysed	Test Conducted
Cp/021/21	Capsules	16 <sup>th</sup> April, 2021	2 <sup>nd</sup> March, 2023	Acute Toxicity Test

**RESULTS:**

Table Showing Results of Acute Toxicity Test on Capsules (Cp/021/21) in test.

Animal Model	test
No. of Animals	test
Sex	test
No. of Groups	test
Route of Administration	test
Formulation	test
Preparation	wrw
Dose Administered	Text
Period of Observation	test
No. of Deaths Recorded	test
Estimated Median Lethal Dose (LD <sub>50</sub> )	test
Physical Signs of Toxicity	wer

**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 93 times more than the recommended dose (take 2 to 4 capsules twice day with meal. equivalent to 5.0 mg/kg ), as indicated by the manufacturer. Thus, the product, Cp/021/21, may not be toxic and is within the accepted margin of safety (Hodge and Sterner Scale) at the recommended dose.

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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/006/21 )
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 139 times more than the recommended dose (three tablespoonsful three times daily, equivalent to 36.04 mg/kg ), as indicated by the manufacturer. Thus, De/006/21 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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Mr. Pharm System  
Admin  
Research Officer

Approved by



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Admin  
Research Officer

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