



SN - Ht277/22/210517

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

Product Code	Product Form	Date Received	Date Analysed	Test Conducted
Ht/012/21	Herbal Tea	27 <sup>th</sup> May, 2021	18 <sup>th</sup> May, 2022	Acute & Dermal Toxicity Test

**RESULTS:**

Table Showing Results of Acute Toxicity Test on Herbal Tea (Ht/012/21) in SD Rat.

Animal Model	SD Rat
No. of Animals	12
Sex	Male
No. of Groups	2(N = 6)
Route of Administration	Oral
Formulation	Herbal Tea
Preparation	Freeze - dried sample of Herbal Tea ( Ht/012/21 )
Dose Administered	5000 (mg/kg)
Period of Observation	28 Days
No. of Deaths Recorded	0
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 93 times more than the recommended dose (200ML equivalent to 5.0 mg/kg ), as indicated by the manufacturer. Thus, Ht/012/21 may not be toxic and is within the accepted margin of safety (Hodge and Sterner Scale) at the recommended dose.

**Dermal Toxicity Test**

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 (200ML equivalent to 5.0 mg/kg ), as indicated by the manufacturer. Thus, Ht/012/21 may not be toxic and is within the accepted margin of safety (Hodge and Sterner Scale) at the recommended dose.

**RESULTS:**

The experimental SD Rat in group 1 and 2 administered with 1% and 5% w/v of the Herbal Tea intradermally and topically (0.5-1 g), showed no ulceration, irritation and/or inflammations at the site of injection and shaved area, respectively.

**REMARKS:**

Ht/012/21 appears to be safe when applied to the skin.

Analysed by



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Mr. Pharm System  
Admin  
Research Officer

Approved by



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Mr. Pharm System  
Admin  
Research Officer

