SN - Alc736/22/220127

CENTRE FOR PLANT MEDICINE RESEARCH

PHARMACOLOGY & TOXICOLOGY DEPARTMENT

Product Code	Product Form	Date Received	Date Analysed	Test Conducted
Alc/002/22	Alcoholic Beverage	31st January, 2022	8th April, 2022	Acute Toxicity Test

RESULTS:

Table Showing Results of Acute Toxicity Test on Alcoholic Beverage (Alc/002/22) in Wistar Rat.

Animal Model	Wistar Rat
No. of Animals	12
Sex	Male
No. of Groups	2(n=6)
Route of Administration	Oral
Formulation	Alcoholic Beverage
Preparation	Freeze-dried sample of Alc/002/22
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 LD_{50} of freeze-dried extract is estimated to be greater than 5000 mg/kg. The freeze-dried content of a bottle (750 ml) of this product per average adult body weight (70 kg) is 734.82 mg/kg which is less than 15% of the dose (5000 mg/kg) administered.

Analysed by

Dr. Orleans Martey
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Approved by

Dr. Olga Quasie
Snr. Research Scientist

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