



SN - Cr209/22/210421

CENTRE FOR PLANT MEDICINE RESEARCH
PHARMACOLOGY & TOXICOLOGY DEPARTMENT

Product Code	Product Form	Date Received	Date Analysed	Test Conducted
Cr/005/21	Cream	21 st April, 2021	8 th June, 2021	Dermal Toxicity Test

An area of hair on the lateral portion of the albino rats (about 9 cm²) was trimmed and shaved with a razor blade. The rats were divided into 3 groups (n=5). Group one was injected intradermally with 0.1 ml of 1% w/v of the cream dissolved in glycerol, group two with 0.1 ml of 5% w/v of the cream dissolved in glycerol and group three as control was treated with only 0.1 ml glycerol. The cream was also applied topically (0.5-1.0 g) to the shaved area of the first two groups of rats and the animals were observed for a period of 48 hours for any signs of ulceration, irritation and/or inflammation as compared to the control groups.

RESULTS:

Experimental rats in groups 1 and 2 that received 0.1ml intradermal injection of the Cream dissolved in glycerol at 1% and 5% w/v respectively, showed no ulceration, irritation and/or inflammation at the site of injection. This indicates that even at a high level of 5% w/v the Cream did not appear to cause erythema to the skin of the animal. A similar observation was made for the topical application.

REMARKS:

Cr/005/21 appears to be safe / not safe when applied to the skin.

Analysed by

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