

Acute Oral Toxicity Study of Loha Parpati In Wistar Rats by Acute Toxic Class Method

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Abstract: *The present study, titled "Acute Toxicity Study of Loha Parpati in Wistar Rats by Acute Toxic Class Method", was conducted to evaluate the safety profile of Loha Parpati, a classical Ayurvedic Rasaushadhi. The objective was to assess its acute oral toxicity as per OECD guidelines. A detailed review of relevant Ayurvedic ingredients—such as Loha, Parada, Gandhak, and Kajjali—along with protocols for animal experimentation, provided a strong theoretical base. Standardization of Loha Parpati included organoleptic and physicochemical analyses. The study involved administration of 2000 mg/kg body weight to Wistar rats, with no clinical signs of toxicity observed over a 14-day period. The findings support the safety of Loha Parpati at the tested dose, affirming the role of traditional preparation methods in ensuring its non-toxic nature.*

Keywords: Loha Parpati, Acute oral toxicity, Rasaushadhi, OECD guidelines, Wistar rats

