

Phyto-Biotics Perilla® Toxicology Data

Code: 40600
INCI Name: Perilla Frutescens Extract
CAS #: 90082-61-4
EINECS #: 290-151-0

Name of Study	Type of Study	Results
Dermal & Ocular Irritation Tests	<i>In-vitro</i>	Both the dermal and ocular assays reveal that Phyto-Biotics Perilla® is non-irritating and should not cause any of the aforementioned conditions.
AMES Test	<i>In-vitro</i>	The results of the Bacterial Reverse Mutation Assay indicate that under the conditions of this assay, that Phyto-Biotics Perilla® was considered to be Non-Mutagenicto Salmonella typhimurium testerstrains TA98, TA100, TA1537, TA1535 and Escherichia coli WP2uvrA.
UV-Vis Report	<i>Instrumental</i>	The results exclude Phyto-Biotics Perilla® as a phototoxic substance.
OECD TG 442D In-Vitro Skin Sensitization	<i>In-vitro</i>	The results using the ARE-Nrf2 Luciferase Test Method in accordance with UN GHS indicate that Phyto-Biotics Perilla® was not predicated to be a skin sensitizer.

Name of Study	Type of Study	Results
OECD TG 442C Direct Peptide Reactivity	<i>In-chemico</i>	Based on HPLC-UV analysis Phyto-Biotics Perilla® was determined as a non-sensitizer and will not cause allergic contact dermatitis.
OECD 301B Ready Biodegradability	<i>In-chemico</i>	The results of the Modified Sturm Test ensure Phyto-Biotics Perilla® met method requirements for the Readily Biodegradable classification.
OECD 202 Acute Daphnia	<i>In-vivo</i>	According to the EU Directive 93/67/EEC, Phyto-Biotics Perilla® is not classified as harmful to aquatic organisms.