

Phyto-Biotics Perilla®

Code: 40600
 INCI Name: Perilla Frutescens Extract & Glycerin & Propylene Glycol & Lactobacillus Ferment
 CAS #: 90082-61-4 & 56-81-5 & 57-55-6 & 1686112-36-6 (or) 68333-16-4
 EINECS #: 290-151-0 & 200-289-5 & 200-338-0 & N/A (or) N/A

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-Mutagenic to <i>Salmonella typhimurium</i> tester strains TA98, TA100, TA1537, TA1535 and <i>Escherichia coli</i> tester strain WP2uvrA.
OECD TG 442D In-Vitro Skin Sensitization Report	<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.
OECD TG 442C Direct Peptide Reactivity Assay	<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 Assay	<i>In-chemico</i>	The results of the Modified Sturm Test ensure Phyto-Biotics Perilla® met method requirements for the Readily Biodegradable classification.
OECD 201 Freshwater Alga Growth Inhibition Test	<i>In-vitro</i>	The conditions of OECD guideline 201 for the validity of the test were adhered to, Phyto-Biotics Perilla® is not classified and therefore not harmful to aquatic organisms.