



Your one-stop full-service partner

NETWORK SERVICE PORTFOLIO OF SGS PRODERM

SGS proderm is part of the SGS Group since July 2022. Within the SGS network, we are positioned as a European centre for excellent dermatological research, which with its high-quality services specifically addresses manufacturers who are not willing to compromise on quality and reliability in contract research.

The focus of SGS proderm Consumer Care remains on conducting clinical studies to demonstrate the safety and efficacy of cosmetics, food supplements and consumer products. What is new is our expanded range of services from the SGS network, which covers all phases of product development.

We have created a particularly close cooperation with the renowned testing institute SGS Institut Fresenius, with whom we have established a network of study sites and laboratories that serves all needs in product development.

The network services comprise the chemical analysis of your product, the assessment of physical properties, microbiological tests, stability tests, in vitro tests, biodegradability assessments and more. We are your one-stop full-service partner for your complete path to market.

CHEMICAL ANALYSIS

Ensure all ingredients used meet the chemical restrictions and limitations of applicable cosmetic regulations and other relevant legislation, such as REACH, hazardous substances regulations, etc.

- Determination of allergens (26 restricted fragrance allergens test)
- Determination of preservatives (e.g. parabens)
- Determination of active ingredients (e.g. UV filters, vitamins, antioxidants, aluminium salts)
- Determination of restricted substances, contaminants and impurities:
 - Heavy metals migration (e.g. lead, mercury, arsenic)
 - Free formaldehyde content
 - Nitrosamines
 - Phthalates
 - Pesticides
 - 1,4 Dioxane
 - Diethylene Glycol (DEG)
 - Polycyclic Aromatic Hydrocarbons
 - Volatile Organic Compounds (VOCs)
 - Substances of Very High Concerns (SVHCs)
 - Endocrine disruptors

PHYSICAL PROPERTIES

Check the mechanical properties of your product.

- Key physical characteristics, including:
 - Appearance, colour, odour
 - pH value
 - Density
 - Viscosity
 - Melting point
 - Flash point
 - Moisture content
 - Fatty acid composition
 - Foam test
- For Aerosols:
 - Pressure
 - Propellant type and content
- Weathering tests:
 - Humidity
 - Heat
 - Resistance to corrosion
 - Leakage
 - Functionality

MICROBIOLOGICAL SERVICES

Does your product contain harmful microorganisms? Evaluate the degree of contamination of your raw materials and finished products with bacteria, mould and yeast.

- Testing for microbiological purity with test methods according to ISO, Ph. Eur., USP, JP and customer's specific methods
 - Total bacterial count, yeasts, moulds, pathogenic (specific) microorganisms
 - Bacterial endotoxins, sterility testing
- Identification of microorganisms using microscopy, VITEK®2, MALDI-TOF MS or MicroSeq®
- Testing for adequate preservation
 - Effectiveness of preservation
 - Repetitive challenge tests
 - In-use tests
- Testing for antimicrobial effects
 - Suspension and surface tests according to DVG, DGHM, European standards, JIS, ISO, ASTM, etc.
 - Disinfection studies (EN, DGHM, DVG)
 - Performance tests
- Microbiological effect tests with bacteria, fungi, algae and viruses
- Microbiological activity measurements
- Microbiological degradation studies (ISO, OECD, DIN)
- Compostability tests (packaging materials) (ISO, DIN, ASTM)
- Bacteria toxicity tests/detection of bacteria-inhibiting substances (DIN, OECD, ISO)
- Analysis/characterisation of microbiological populations/assemblages
- Detection of specific microbiological activity (substance transformations)

STABILITY TESTS

- Real time/Accelerated Ageing
- Environmental Cycling (freeze-thaw stability testing)
- Photostability Testing (real time and controlled conditions)
- Period After Opening (PAO) Determination

BIODEGRADABILITY

- Compostability of packaging materials
- Biodegradability of raw materials and formulations

IN VITRO TESTING SERVICES

- Cytotoxicity
 - Neutral Red Uptake/ Release (NRU, NRR)
 - MTT Assay
 - Epifluorescent microscopical Live-Dead test
- Skin corrosion tests: Epidermal skin test (OECD 431)
- Skin irritation tests: Reconstructed human epidermis (RhE) test method (OECD 439)
- Eye irritation/corrosion:
 - Bovine corneal opacity and permeability (BCOP) test
 - Determination on haemolytic activity, red blood cell (RBC) test
 - Hen's Egg test (HET-CAM)
 - EpiOcular
 - Skin Sensitization
- Phototoxicity tests (OECD 432)
 - 3T3 Neutral Red Uptake (NRU, NRR)
 - Reconstructed human epidermis (RhE)
- Mutagenicity tests
 - Ames test in accordance with OECD 471/ISO 11350: fluctuation and contact plate methods
 - Comet Assay
 - Micronucleus test OECD 487
- Other tests:
 - Wound healing test
 - Proliferation tests
 - Oxidative Stress (eg. LPO, DNA/8-OHdG, DPPH- or ORAC method), apoptosis/necrosis, inflammatory markers
 - Histology/immunohistology
 - Mycoplasma detection
 - Changes in metabolic pathways, Cell characterisation, mitochondrial toxicity, phenotypic fingerprinting
 - Ex-vivo studies on udder model, bovine udder skin (BUS)
 - In-vitro skin permeation/penetration with the Franz cell

PACKAGING TESTS

- Packaging Stability Testing – Packaging Compatibility
- Physico-chemical Testing
- In-Vitro Testing
- Environmental Conditioning
- Weight loss, colour, odour, appearance, viscosity, pH and other parameters
- Packaging Leakage Testing
- Packaging Functionality Testing
- Packaging Transit Testing

DOCUMENTATION

- Ingredient and package labelling review
- Material Safety Data Sheet (MSDS) for raw materials
- Cosmetic Product Safety Report

AUDITS

- Factory audits
- Social audits
- Environmental audits

CERTIFICATIONS

- Natrue
- Dermatologically tested

The overview shown is only a selection of our extensive range of services. Please contact us if you are looking for a service that is not listed here or if you need further information on specific services.

CONTACT

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SGS PRODERM IS PART OF SGS, THE WORLD'S LEADING TESTING, INSPECTION AND CERTIFICATION COMPANY.