Food Contact Materials Safety Testing

Food Contact Materials (FCMs), including food packaging, containers, kitchenware, utensils and food-processing equipment, must be assessed to ensure that substances migrating into food do not pose unacceptable risks to consumer health.

Singapore Test Lab (STL) provides specialised testing and compliance support to help manufacturers, importers and distributors assess product safety and meet applicable food-contact regulatory requirements across international markets.



FCMs testing plays an important role in protecting consumer health by assessing the potential migration of chemical substances from packaging and other food-contact materials into food.

Through internationally recognised standards, our chemical testing services help ensure that our clients' products comply with applicable local and international regulatory requirements, including those set by Singapore's HSA, the European Union's European Food Safety Authority (EFSA), the U.S. Food and Drug Administration (FDA), and other relevant regulatory authorities.

- Packaging migration and food-contact testing
- Phthalates and melamine migration
- Residues after evaporation
- Fats and oils, starch and ABS residues
- Microbiological residues
- Thermal shock testing
- Colour bleeding assessment
- Overall product safety analysis
- Bisphenol A (BPA) and related bisphenols
- Total and migrated heavy metals
- Potassium permanganate consumption
- Fluorescent brightening agents
- Dishwashing and microwave tests
- Sensory analysis (taint testing)
- Physical hazard assessment
- Other relevant material-specific tests



Physical testing services, including drop-impact resistance, burst pressure, thermal stability, sealing performance, dimensional measurements and top-load accessibility, ensure packaging of goods meeting the performance requirements.

STL also provides testing strategy consultation, specialised chemical testing and related certification, auditing and inspection services.

Our laboratories are accredited by SAC-SINGLAS to ISO/IEC 17025 requirements, supporting confidence in testing competence and reliability.

Contact STL for more information about Food Contact Materials (FCM) Migration & Safety Testing.

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For more information about STL's Food Contact Materials (FCM) Migration & Safety Testing, please contact us at contact@singaporetestlab.sg

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