UL Label Services

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Introduction

UL has been providing certification, testing, and training services for over 40 years to the label industry. Our engineering and laboratory team will help and assist you to deliver safe, compliant labels for your products so you can meet the demands of the global marketplace. Whether it is regulatory requirements, pre-defined customer specifications, or certification requirements, UL is able to provide the services needed.

For UL Certified products, UL has two separate and distinct programs for labels. One program covers label suppliers (printers) that produce and distribute labels bearing a UL Mark. This program is known as the "Authorized Label Suppliers Program." The other program covers labels that display safety and warning related information on UL Certified components and products. At UL we refer to this type of label as a "Marking & Labeling System."

Authorized Label Suppliers - Labels Bearing

Registered UL Marks

UL provides certification and follow-up services to manufacturers that can be identified by consumers through the use of the UL Mark on the product. Because the UL Mark is so important, manufacturers must submit a design layout of the UL Mark to a UL label center for review to verify that all required information is in an acceptable format. This must be done prior to reproduction of the UL Mark and prior to application of the Mark to eligible products. This advance review eliminates potential disruption in production due to an unacceptable UL Mark design. For more information on reproducing the UL Marks, refer to our document on printing UL Marks.

UL maintains a database of authorized label suppliers. These suppliers have signed an agreement with UL and are authorized by UL to print labels with the UL Mark. Only the suppliers shown in this database are authorized to print labels with the UL Mark. If a supplier is not included in this database and is interested in participating in the program, the supplier can submit a request to UL's customer service department at

CustomerServiceIndustrialUL@ul.com. If you are a manufacturer of a UL certified product and need assistance finding a UL authorized label supplier, please contact UL.

Marking & Labeling Systems Program

The Marking and Labeling Systems program covers labels (nameplates or markers) and label materials that have been submitted to UL for evaluation in accordance with prescribed permanence of marking performance requirements so they can be used to display information on products. Most certified products are required to be permanently marked with specific safety-related information such as hazards, warnings, cautionary markings, installation instructions, electrical ratings, etc. Labels and label materials that comply with the Marking and Labeling System requirements fall under UL's Component Recognition Program that provides a convenient way for manufacturers to acquire labels meeting permanence of marking requirements applicable to their UL Certified product. Marking and Labeling Systems are covered under the following four categories based on the type of product and end-use application.

Category Name	Category Code Number (CCN)
Marking & Labeling Systems	PGDQ2
Marking & Labeling Systems – Printing Materials	PGJI2
Marking and Labeling Systems – In-Mold	PGIM2
Marking & Labeling Systems – Materials	PGGU2
Marking & Labeling Systems – Limited Use	PGIS2

Labels and label materials Recognized under the first four category codes PGDQ2, PGJI2, PGIM2 and PGGU2 are tested in accordance with the test methods in ANSI/UL 969, "Marking and Labeling Systems". These requirements cover labels for use as nameplates and other required

markings when applied to specific surfaces and uses for nameplates and other required markings. Products Recognized under the category code of PGIS2 are tested in accordance with unique label requirements specified in a specific UL Standard and are thus "limited in use" to that standard, versus the broader ANSI/UL 969, standard.

The evaluation for Marking and Labeling Systems include a construction examination and testing for permanency. Labels are visually examined for curling, wrinkling, shrinkage, or loss of adhesion around the perimeter, when applied in the intended application. Testing may also include legibility, defacement, and adhesion after the appropriate environmental conditioning. These environmental conditions include testing for exposure to high humidity or occasional exposure to water, extreme temperatures, sunlight resistance, or exposure to chemical agents.

Guidelines addressing the suitability of the label when used with an end product are included in the UL Report as "Conditions of Acceptability". The Conditions of Acceptability generally cover application surfaces, temperature ratings, and additional exposure conditions for which a label was found acceptable. The Conditions of Acceptability may also include print color limitations, label size limitations, and special use applications. The conditions of acceptability for labels are published in UL's Component On-line Database (www.ul.com/database)

All Recognized Component Marking and Labeling Systems are intended for application at the end-use product factory and fall under UL's Follow-Up Service (FUS) program. UL's Follow-Up Program determines that UL certified products continue to be manufactured in compliance with UL's requirements.

- **Marking and Labeling Systems (PGDQ2)**

  Marking and Labeling Systems category covers printed labels that are manufactured by a label printer/converter. As a general rule, these labels are sold as die-cut, finished printed labels. They have not been evaluated to receive additional printing by the end-use product manufacturer.

- **Marking and Labeling Systems - Printing Materials (PGJI2)**

  Marking and Labeling Systems Printing Materials category covers printed and unprinted labels from suppliers that are intended to receive additional printing by end-use product manufacturers using thermal transfer, laser, hot stamping or other types of printing equipment. Products in this category may be sold by label material suppliers in bulk roll form or by label printer/converters as die-cut labels that are either blank or preprinted leaving blank areas in which information is to be added. The additional printing inks for which the labels have been found compatible are specified in the Recognition Card and only those inks are considered acceptable. The additional printing is considered an optional process for printed labels. Overlamination materials under this category are not considered acceptable for end-use product manufacturers without further evaluation of the complete printed label.

- **Marking and Labeling Systems, In-Mold (PGIM2)**

  In Mold Marking and Labeling Systems category covers printed in mold labels that are manufactured by a label printer/converter and are intended to embed into a molded plastic part during the molding process. As a general rule, these labels are sold as die-cut, finished printed in-mold labels. They have not been evaluated to receive additional printing by the end-use product manufacturer.

- **Marking and Labeling System - Materials (PGGU2)**

  Marking and Labeling System Materials category covers label materials that are used to make labels. Products in this category include blank label stocks, laminating adhesives, and overlaminations. These products are typically produced in bulk sizes and sold to label printers/converters for the purpose of producing printed labels for Marking & Labeling Systems and Marking & Labeling Systems Printing Materials. All products under this category are not considered acceptable for end-use product manufactures without further evaluation of the complete printed label.

- **Marking and Labeling Systems - Limited Use (PGIS2)**

  Marking and Labeling Systems Limited Use category covers labels, cord tags (securement or flag type), and placards that have been evaluated for compliance with requirements in specific UL end-product standards where the requirements are either less stringent or different than the ANSI/UL 969, "Marking and Labeling Systems" standard. Their use is therefore limited to the types of products covered by those standards, such as enclosures for electrical equipment, power supply cords, or gate operator placards.

- **Labels Evaluated to the Requirements of Other Standards**

  While all products Recognized in PGDQ2, PGJI2, PGIM2 and PGGU2 have been evaluated in accordance with ANSI/UL 969, "Marking and Labeling Systems", some products may be additionally evaluated for specific end-use applications such as on portable ladders and fire extinguishers where the governing standard has requirements that go beyond those in ANSI/UL 969.

- **Recognition for Canada**

  Under the Canadian Certification program, UL tests products to CSA C22.2 No. 0.15, "Adhesive Labels". Because the Canadian standard includes test methods that differ from the UL 969, additional testing is necessary to grant a Canadian Recognition. Products found to be in compliance with the Canadian standard are marked with the UL Recognition Mark for Canada. Label products certified for Canada are published under the category codes PGDQ8, PGJI8, PGIM8, and PGGU8.

Marking & Labeling Systems - Label Adoption

What is a Label Adoption?

The label adoption process allows label printers and converters to gain fast market access, greater product acceptance, faster return on investment, and to quickly demonstrate that their labels have been evaluated to meet UL safety requirements. The label adoption process is

the most convenient option for printers and converters to establish UL Recognition indicating that their labels meet the requirements of UL's Marking & Labeling Systems Program.

The label adoption process is designed for label printers and converters who use Recognized label materials. Customers who use (adopt) Recognized label materials (e.g. label stocks, laminating adhesives, overlaminations) can receive the benefit of the Recognition established for the label material when establishing Recognition for their printed labels made from those materials. The Conditions of Acceptability of the materials used, as indicated on the Online Certifications Directory, are passed along to the label converter. This reduces the cost and time to market of the Recognized label by eliminating redundant testing and reduces follow-up service costs.

Printed labels made from Recognized label materials are not automatically considered Recognized printed labels. To establish Recognition for a printed label, the label converter/printer must submit the complete printed label system for evaluation. Depending on several factors such as the Conditions of Acceptability desired for the label and the label materials used, testing of representative samples usually is necessary.

Inks are not covered directly under the Marking & Labeling System Materials Recognition program. However, some label material manufacturers have submitted their materials to UL with printing to determine the compatibility of specific flexographic, screen printing, etc. inks with their label materials. The benefit of such print testing can be passed along to the label printer during the initial label certification if so requested. The list of inks that have been evaluated with specific label materials is not published on UL's website. Therefore, the label printer must work with the label material supplier to determine which inks, if any, have been previously investigated with their label materials.

Marking and Labeling Systems – Repackager

Companies who die-cut, slit, respool, and repackage Recognized unprinted label materials and wish to re-mark the products with the UL Mark can be authorized to do so under UL's Repackaged Recognized

Component program (Category Codes: TEOU2 and TEOU8). This is a product traceability program that permits repackagers of UL Recognized products to mark the repackaged products with the UL Recognized Component Mark, original supplier name, and original identification, thus maintaining the integrity of the UL Mark throughout the supply chain.

The Repackaged Recognized Component program does not authorize the repackager to add printing or make any other physical changes to the unprinted label material.

UL iQ for Labels

This UL iQ database is intended for those who are searching for UL Recognized Marking & Labeling Systems and Authorized Label Suppliers. The database promotes pre-selection of labels and label suppliers under the parametric search function by enabling searching via company name, country location, file number, model/system designation, surface type, temperature, special conditions, uses and exposures, or trade name. This will aid in the quick identification of all suitable labels that meet the selected search criteria.

The database is included with the other "ULiQ Family of Databases". Access to any of the UL iQ databases is free, but registration is required if you don't already have a MyHome@UL account. Please visit http://iQUL.com

Performance and Verification Services

UL Verification Services provides customized performance and verification testing of labels or label materials based on a buyer's defined parameters or customer-accepted specifications. These tests provide retailers and buyers, original design manufacturers, and original equipment manufacturers confidence in the quality and reliability of the label products they manufacture or source from suppliers.

Manufacturers are under pressure to demonstrate that their products meet performance expectations and still get them to market on time. UL Verification Services is part of a family of companies with a long history in product testing. We deliver outstanding technical expertise

and testing capabilities, such as checking markings and labels, verifying physical constructions, and testing the performance of a label under various environmental conditions.

Verification and performance testing under UL Verification Services delivers best-in-class product testing to a range of industry-specific requirements, enabling you to make credible product claims and get quick, online access to quotes, testing status and results.

Training Services

What do you need to know to stay competitive? UL Knowledge Services, with its worldwide presence and flexible content delivery, offers training solutions across all chemicals sectors, including labels.

UL Knowledge Services offers training services tailored to your company's needs. Led by technical experts, UL will build content around the questions your company needs answered. These training seminars range from an introduction to UL's various label programs to in depth discussions on UL Standards and Tests.

Training services are offered for one person or group of team members and at the location of your choice (UL or your onsite location). Our UL Knowledge Services group is dedicated to work with you to develop content that meets your company's specific needs, so you have the knowledge to stay competitive.

Enviromental claim Validation

With Environmental Claim Validations from UL Environment, Label manufacturer's products can demonstrate their compliance with various green codes, standards, and procurement policies. This helps label product visibility among key specifiers while driving marketplace demand.

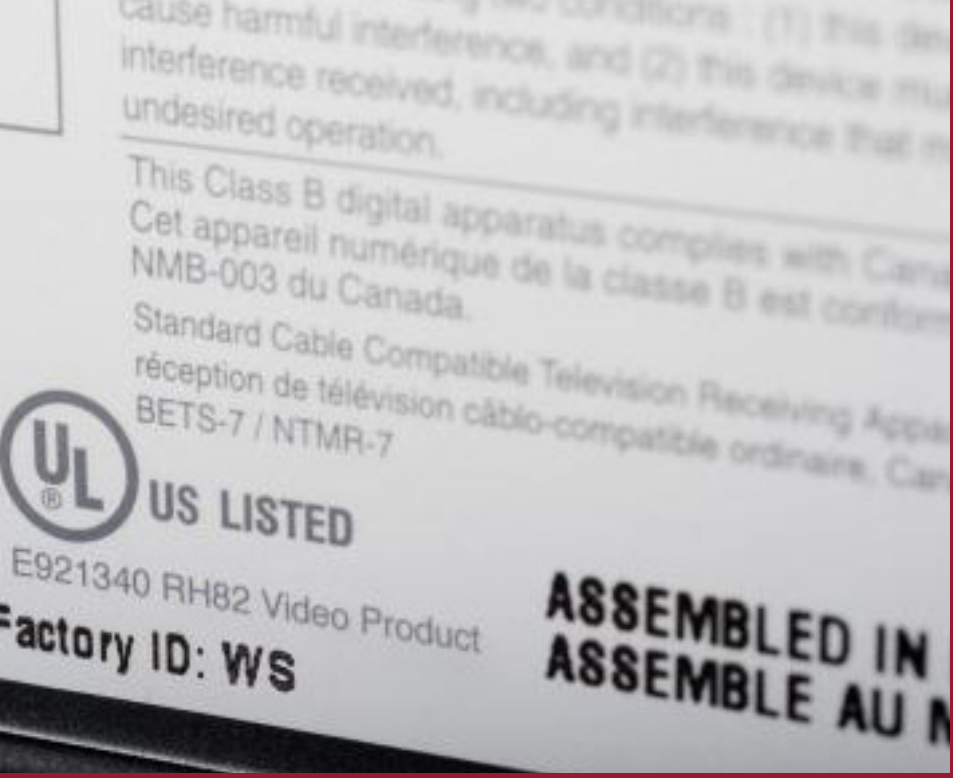
And because Environmental Claim Validations are backed by one of the world's most trusted names in product safety and certification—UL—customers can feel empowered, making more informed purchasing decisions when purchasing their label products. Label products which

can substantiate their environmental claims while helping to combat greenwashing.

How to Contact UL

For any inquiries, quote requests, or to start a project, please contact or call us for assistance by visiting www.ul.com/contactus.

Learn more at ul.com/labels.



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