



Overview

As a global supplier of laboratory equipment, Sheldon Manufacturing, Inc. has chosen to partner with TÜV SÜD America for all our product electrical safety standards testing. TÜV SÜD's blue octagon Mark is one of the most widely recognized certification marks in the world, backed by TÜV SÜD AG, with over 11,000 employees at over 600 locations worldwide.

Here is a little information about safety certification testing in general. "NRTL" stands for Nationally Recognized Testing Laboratory. We have found the NRTL landscape to be confusing, and lacking in clear, definitive information regarding the NRTL regulations, standards, testing labs, etc. All electrical and electronic products sold around the world must meet unique, country-specific electrical safety regulations and standards. In the United States, the Occupational Safety and Health Administration (OSHA) administers the NRTL program. In Canada, the Standards Council of Canada, or SCC, mandates that an SCC-accredited Certification Body perform product safety testing and certification services. In addition to being an NRTL and an SCC-accredited Certification Body, TÜV SÜD America is a European Union Notified Body, and a National Certification Body (NCB). This is why Sheldon Manufacturing, Inc. has chosen TÜV SÜD America. These accreditations enable TÜV SÜD America to test to multiple-country testing schemes simultaneously, providing Sheldon Manufacturing, Inc. with a global product safety certification program.

What about UL and CSA?

UL is a private, non-profit organization and not a government agency. UL is recognized as an NRTL by OSHA under 29 CFR 1910.7 and has exactly the same status as the other 18 NRTLs recognized by OSHA under the NRTL Program. TÜV SÜD America is one of these 18 NRTLs. There is a common misconception in the United States that manufacturers must use UL testing facilities when testing for compliance to U.S. electrical standards. In fact, many people mistakenly believe that UL is a government agency or a part of OSHA. This is not true. Like 17 other third-party testing facilities recognized by OSHA under 29 CFR 1910.7, UL is only one of the 18 Nationally Recognized Testing Laboratories (NRTLs) recognized by OSHA to perform this testing and product certification activity. This "recognition," granted by OSHA under 29 CFR 1910.7, allows any NRTL to test products to its recognized "scope" of testing, meaning that all NRTLs recognized by OSHA are equal.

CSA, the Canadian Standards Association, is one of four standards development organizations accredited by SCC. It is also accredited as a certification body. CSA is a non-profit membership association serving industry, government, consumers and other interested parties in Canada and the global marketplace. The Standards Council of Canada accredits organizations in Canada as standards development organizations, conformity assessment bodies, or both. Conformity assessment is the verification that standards are being applied properly. Consumers often hear a lot about organizations that both develop standards for consumer products and services as well as ensure standards related to them are followed. The public seldom hears about the Standards Council itself, or other standards organizations with low public visibility. For example, the Canadian Standards Association (CSA) is an organization well-known by consumers. It is accredited by the Standards Council as a standards development organization and a conformity assessment body. It may therefore develop standards and verify that standards are being followed within the scope of the Standards Council accreditation. Much like the NRTLs for the US certification, TÜV SÜD America is fully accredited for certification within the SCC system.



The Marks

Sheldon Manufacturing, Inc. most often uses the CUE Certification Services from TÜV. CUE is the acronym for TÜV's 3-in-1 certification service, combining electrical safety certification for three of the most sought-after markets in the world: C = Canada (SCC), U = United States (NRTL), and E = Europe (EU Directives).

The mark itself looks like:



Where the "S" signifies the E-Europe (EU directives compliance-CE), the C – Canada (SCC/CSA compliance), the US – United States (OSHA/UL compliance).

The Standards

Within the frame from each regulatory entity, Sheldon Manufacturing, Inc. products are evaluated to several standards for laboratory equipment classification.

They include:

Product Evaluation to IEC 61010-1, including Canadian, US, and European variants:

- CAN/CSA C22.2 No 61010-1
- UL 61010-1
- EU 61010-1

Evaluation to the EU EMC Directive:

- EN 61000-3-2:2006 (amended by A1:2009 and A2:2009)
- EN 61000-3-3:2008
- EN 61326-1:2006