Beaulieu Lab Certified

Beaulieu is committed to providing quality products to its customers. To ensure the products are being made according to its high quality standards, Beaulieu has every production tested by a third party, independent laboratory.

Engineered Hardwood

- Moisture Content
  The test determines the amount of water contained in the engineered hardwood flooring. If the moisture content is too high or low, the engineered hardwood flooring will be unstable. Beaulieu refuses any product that does not comply with the specified moisture content to ensure the stability of its engineered hardwood flooring.

- Formaldehyde Emission
  Formaldehyde is produced naturally by many processes, including the combustion of wood, cigarettes, gasoline and other organic compounds, photo-chemical reactions and biological activity. Formaldehyde is not only present in outdoor air, it is also present naturally in small concentrations in many foods, including apples and onions, and is even a natural "chemical building block" in the human body. However, beyond small concentrations, formaldehyde exposure is hazardous to human health. For this reason, the E1 and E0 standards require that formaldehyde emission from wood flooring does not exceed 1.5 mg/L and 0.5 mg/L respectively. Beaulieu flooring meets E1 or E0 standards and is, therefore, harmless to human health.

- Varnish Abrasion Resistance
  The test determines the varnish's capacity to withstand friction without wearing off. If the varnish's wear resistance is insufficient, the surface will quickly show signs of aging and the lower wood flooring layers will become compromised (exposed to stains, humidity, etc.). All Beaulieu engineered hardwood products meet the standard requirements to ensure that your product's varnish does not wear off.

- Varnish Stain Resistance
  The test determines the varnish's capacity to avoid becoming stained with food, beverages and other products of daily use. If the varnish's stain resistance is insufficient, your wood flooring will quickly become permanently soiled. All Beaulieu engineered hardwood products pass this test and therefore are certified to be stain resistant.

- Varnish Brightness
  The test determines the engineered hardwood's capacity to reflect light. A specific, homogeneous brightness is a key aesthetic attribute of wood flooring. Therefore, in order to assure your flooring's natural beauty, Beaulieu refuses any flooring that reflects too much, or not enough light.

- Varnish Hardness
  The test determines the flooring's varnish resistance to permanent shape change when pressed by hard objects. If the varnish's hardness is insufficient, indentations, gouges, etc. will rapidly show on your engineered hardwood flooring. For this reason, all Beaulieu engineered products are certified to meet standard hardness requirements.

- Varnish Adherence
  The test determines the capacity of the varnish particles to cling to one another and to the wood substrate. If varnish adhesion is insufficient, it will easily chip which will, in turn, affect the flooring's beauty and other properties. All Beaulieu engineered hardwood products pass this test to ensure that your flooring's beauty lasts as long as possible.

- Varnish Scratch Resistance
  The test determines the flooring's capacity to withstand normal usage without becoming scratched. If the varnish's scratch resistance is inadequate, the flooring will rapidly show marks or indentations on its surface. All Beaulieu engineered hardwood products are certified to be scratch resistant under normal usage.

- Varnish Impact Resistance
  The test is performed to determine if your wood floor's varnish has the capacity to sustain the impact of a steel ball without damaging. If the varnish impact resistance results appear to be insufficient, your wood floor's structure and properties will rapidly become compromised. All Beaulieu engineered hardwood products are certified to be varnish impact resistant under normal usage.

- Delamination Resistance
  The test determines the capacity of the glue lines to hold despite exposure to usage conditions. If the delamination resistance is insufficient, the engineered hardwood flooring's surface layers (especially corners) may detach from the lower wood layers. All Beaulieu engineered hardwood products pass this test to ensure that your flooring will not delaminate.

- Modulus of Rupture
  The test determines the engineered hardwood's capacity to sustain force without breaking. If the modulus of rupture appears to be inadequate, your wood flooring will break easily, especially when the flooring is installed over strips. All Beaulieu engineered products pass this test to ensure that your floor will not break under normal use.

- Modulus of Elasticity
  The test determines the wood flooring's capacity to sustain force without becoming permanently deformed. If the modulus of elasticity is insufficient, your wood flooring will remain in a deformed state after it has been exposed to force. Beaulieu engineered hardwood flooring is certified to withstand force without deforming.

Solid Hardwood

- Moisture Content
  The test determines the amount of water contained in the solid hardwood flooring. If the moisture content is too high or low, the solid hardwood flooring will be unstable. Beaulieu refuses any product that does not comply with the specified moisture content to ensure the stability of its solid hardwood flooring.

- Varnish Abrasion Resistance
  The test determines the varnish's capacity to withstand friction without wearing off. If the varnish's wear resistance is insufficient, the surface will quickly show signs of aging and the lower wood flooring layers will become compromised (exposed to stains, humidity, etc.). All Beaulieu solid hardwood products meet the standard requirements to ensure that your product's varnish does not wear off.

- Varnish Stain Resistance
  The test determines the varnish's capacity to avoid becoming stained with food, beverages and other products of daily use. If the varnish's stain resistance is insufficient, your wood flooring will quickly become permanently soiled. All Beaulieu solid hardwood products pass this test and therefore are certified to be stain resistant.

- Varnish Brightness
  The test determines the solid hardwood's capacity to reflect light. A specific, homogeneous brightness is a key aesthetic attribute of wood flooring. Therefore, in order to assure your flooring's natural beauty, Beaulieu refuses any flooring that reflects too much, or not enough light.

- Varnish Hardness
  The test determines the flooring's varnish resistance to permanent shape change when pressed by hard objects. If the varnish's hardness is insufficient, indentations, gouges, etc. will rapidly show on your solid hardwood flooring. For this reason, all Beaulieu solid hardwood products are certified to meet standard hardness requirements.

- Varnish Adherence
  The test determines the capacity of the varnish particles to cling to one another and to the wood substrate. If varnish adhesion is insufficient, it will easily chip which will, in turn, affect the flooring's beauty and other properties. All Beaulieu solid hardwood products pass this test to ensure that your flooring's beauty lasts as long as possible.

- Varnish Scratch Resistance
  The test determines the flooring's capacity to withstand normal usage without becoming scratched. If the varnish's scratch resistance is inadequate, the flooring will rapidly show marks or indentations on its surface. All Beaulieu solid hardwood products are certified to be scratch resistant under normal usage.

- Varnish Impact Resistance
  The test is performed to determine if your wood floor's varnish has the capacity to sustain the impact of a steel ball without damaging. If the varnish impact resistance results appear to be insufficient, your wood floor's structure and properties will rapidly become compromised. All Beaulieu solid hardwood products are certified to be varnish impact resistant under normal usage.