

*Geosynthetic Institute*  
475 Kedron Avenue  
Folsom, PA 19033-1208 USA  
www.geosynthetic-institute.org



# APPLICATION FOR GEOSYNTHETIC ACCREDITATION INSTITUTE'S LABORATORY ACCREDITATION

COMPANY NAME: \_\_\_\_\_

LABORATORY NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

PRIMARY CONTACT: \_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_

FAX NUMBER: \_\_\_\_\_

E-MAIL ADDRESS: \_\_\_\_\_

SECONDARY CONTACT: \_\_\_\_\_

TYPE OF LABORATORY:

\_\_\_\_\_ INDEPENDENT COMMERCIAL TESTING LABORATORY

\_\_\_\_\_ MANUFACTURER'S QC LABORATORY

\_\_\_\_\_ RESEARCH & DEVELOPMENT INSTITUTE

\_\_\_\_\_ GOVERNMENT

When application is completed, please email it to:

George Koerner [gsigeokoerner@gmail.com](mailto:gsigeokoerner@gmail.com)

### **Application Checklist**

The following is an application checklist for the Geosynthetic Institute's Laboratory Accreditation Program. Each of these items is to be completed by the laboratory seeking accreditation. All GAI-LAP labs should conduct business as per ISO 17025 "General requirements for the competence of testing and calibration laboratories."

- Completed contact information page (see page 3)
- Marked copy of the test list for which accreditation is sought (see pages 4, 5 and 6)
- Signed accreditation conditions page (see page 7)
- A Quality Manual which follows the outline and intent of ISO 17025 "General requirements for the competence of testing and calibration laboratories."
- A standard operating procedure (SOP) for each test for which accreditation is sought.
- Laboratory reports for each test identifying the respective ASTM standard requirements in addition to the report requirement of ISO 17025.
- A Document Control Checklist which identifies the status and location of each of the labs quality documents, (i.e. quality manual, quality procedures, data sheets, SOP(s), standards etc.). Such a Document Control Checklist usually gives the document control number, description, date of last revision, location, revision number, and number of pages for each item on the checklist.
- An equipment inventory list which summarizes the company's equipment holding for a particular location.
- A corrective action summary list which reports findings and resolutions of quality issues. Entries may include but are not limited to deficiencies found at audits, customer complaints and quality meeting topics. This corrective action summary list should be used on a regular basis for management review.
- An internal reference material (IRM) list showing that there exist an IRM or reference check for each piece of equipment used to conduct a GAI-LAP accredited test. Such an IRM list usually identifies the method, description, IRM or reference material, units, average, upper control limit, lower control limit and frequency for each GAI-LAP accredited test.

This entire application should to be returned to the Geosynthetic Institute at the address given on the front page. A copy of the application should be retained for your records

**List of Test Methods for which Accreditation is Sought**

**Please mark (i.e. circle number or place a check by the number) accordingly**

1. ASTM C165 Standard Test Methods for Measuring Compressive Properties of Thermal Insulations
2. ASTM C203 Standard Test Methods for Breaking Load and Flexural Properties of Block-Type Thermal Insulation
3. ASTM C303 Standard Test Method for Dimensions and Density of Preformed Block and Board-Type Thermal Insulation
4. ASTM D374 Test Methods for Thickness of Solid Electrical Insulation
5. ASTM D412 Standard Test Method for Vulcanized Rubber and Thermoplastic Elastomers - Tension
6. ASTM D413 Test Methods for Rubber Property – Adhesion to Flexible Substrate
7. ASTM D471 Test Method for Rubber Property-Effect of Liquids
8. ASTM D570 Test Method for Water Absorption of Plastics
9. ASTM D624 Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers
10. ASTM D638 Test Method for Tensile Properties of Plastics
11. ASTM D695 Test Method for Compressive Properties of Rigid Plastics
12. ASTM D696 Test Method for Coefficient of Linear Thermal Expansion of Plastics
13. ASTM D737 Test Method for Air Permeability of Textile Fabrics
14. ASTM D746 Test Method for Brittleness Temperature of Plastics and Elastomers by Impact, [08.01]
15. ASTM D751a Test Method for Coated Fabrics (Dimensions and Mass)
16. ASTM D751b Test Method for Coated Fabrics (Breaking Strength-Grab)
17. ASTM D751f Test Method for Coated Fabrics (Tearing Strength – Tongue Tear)
18. ASTM D751h Test Method for Coated Fabrics (Hydraulic Resistance)
19. ASTM D751o Test Method for Coated Fabrics (Bonded Seam Strength)
20. ASTM D790 Standard Test Method for Flexural Properties of Unreinforced and Reinforced Plastic and Electrical Insulating Materials
21. ASTM D792 Test Method for Specific Gravity (Relative Density) and Density of Plastics by Displacement
22. ASTM D882 Test Methods for Tensile Properties of Thin Plastic Sheeting (strip tensile), [08.01]
23. ASTM D1004 Test Method for Initial Tear Resistance of Plastic Film and Sheeting
24. ASTM D1117 Standard Guide for Evaluating Non-Woven Fabrics (Water Absorption)
25. ASTM D1149 Test Method for Rubber Deterioration-Surface Ozone Cracking in a Chamber (Flat Specimen)
26. ASTM D1203 Test Method for Volatile Loss from Plastics Using Activated Carbon Methods
27. ASTM D1204 Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature
28. ASTM D1238 Test Method for Flow Rates of Thermoplastics by Extrusion Plastometer
29. ASTM D1239 Standard Test Method for Resistance of Plastic Films to Extraction by Chemicals
30. ASTM D1388 Test Method for Stiffness of Fabrics
31. ASTM D1505 Test Method for Density of Plastics by the Density-Gradient Technique
32. ASTM D1593 Specification for Nonrigid Vinyl Chloride Plastic Sheeting (thickness)
33. ASTM D1603 Test Method for Carbon Black in Olefin Plastics
34. ASTM D1621 Test Method for Compressive Properties of Rigid Cellular Plastics
35. ASTM D1622 Standard Test Method for Apparent Density of Rigid Cellular Plastics
36. ASTM D1682 Test Method for Breaking Load and Elongation of Textile Fabrics
37. ASTM D1693 Test Method for Environmental Stress-Cracking of Ethylene Plastics
38. ASTM D1709 Test Method for Impact Resistance of Plastic Film by Free-Falling Dart Method
39. ASTM D1777 Test Method for Measuring Thickness of Textile Materials
40. ASTM D1790 Test Method for Brittleness Temperature of Plastic Film by Impact

41. ASTM D1822 Test Method for Tensile Impact Energy to Break Plastics and Electrical Insulating Materials
42. ASTM D1922 Standard Test Method for Propagation Tear Resistance of Plastic Film and Thin Sheeting by Pendulum Method
43. ASTM D1987 Test Method for Biological Clogging of Geotextile or Soil/Geotextile Filters
44. ASTM D2122 Test Method for Determining the Dimensions of Plastic Pipe
45. ASTM D2136 Test Method for Coated Fabrics-Low Temperature Bend Test
46. ASTM D2240 Test Method for Measuring Durometer Hardness
47. ASTM D2256 Test Method for Tensile Properties of Yarn Single Strand Method
48. ASTM D2412 Standard Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading
49. ASTM D2444 Standard Test Method for Determination of the Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup (Falling Weight)
50. ASTM D2863 Standard Test Method for Measuring the Minimum Oxygen Concentration to Support Candle-Like Combustion of Plastics (Oxygen Index)
51. ASTM D3015 Standard Practice for Microscopic Examination of Pigment Dispersion in Plastic Compounds
52. ASTM D3030 Test Method for Volatile Matter (Including Water) of Vinyl Chloride Resins
53. ASTM D3083a Standard Specification for Flexible Poly (Vinyl Chloride) Plastic Sheeting for Pond, Canal, and Reservoir Lining, (soil burial)
54. ASTM D3083b Standard Specification for Flexible Poly (Vinyl Chloride) Plastic Sheeting for Pond, Canal, and Reservoir Lining, (water extraction)
55. ASTM D3083c Standard Specification for Flexible Poly (Vinyl Chloride) Plastic Sheeting for Pond, Canal, and Reservoir Lining (bonded seam strength)
56. ASTM D3350 Standard Specification for Polyethylene Plastic Pipe and Fitting Materials
57. ASTM D3420 Standard Test Method for Pendulum Impact Resistance of Plastic Films
58. ASTM D3773 Test Method for Width of fabric
59. ASTM D3776 Test Method for Mass Per Unit Area (Weight) or Woven Fabric
60. ASTM D3786 Test Method for Hydraulic Burst Strength of Knitted Goods and Nonwoven Fabrics (Diaphragm Bursting Strength Tester Method)
61. ASTM D3787 Test Method for bursting strength of knitted goods using the CRT Bell Burst Test
62. ASTM D3895 Test Methods for Oxidative-Induction Time of Polyolefins by Differential Scanning Calorimetry
63. ASTM D4218 Test Method for Carbon Black Content in Polyethylene Compounds by the Muffle-Furnace Technique
64. ASTM D4355 Test Method for Deterioration of Geotextiles from Exposure to Ultraviolet Light and Water (Xenon-Arc Type Apparatus)
65. ASTM D4437 Standard of Practice for Determining the Integrity of Field Seams Used in Joining Flexible Polymeric Sheet Geomembranes, peel, shear
66. ASTM D4491 Test Methods for Water Permeability of Geotextiles by Permittivity
67. ASTM D4533 Test Method for Index Trapezoidal Tearing Strength of Geotextiles
68. ASTM D4545 Standard Practice for Determining the Integrity of Factory Seams used in Joining Manufactured Flexible Sheet Geomembranes, peel, shear
69. ASTM D4594 Test Methods for Effects of Temperature on Stability of Geotextiles
70. ASTM D4595 Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method
71. ASTM D4603 Test Method for Determining Inherent Viscosity of Poly (Ethylene Terephthalate) (PET)
72. ASTM D4632 Test Method for Grab Breaking Load and Elongation of Geotextiles
73. ASTM D4716 Test Method for Determining the (In-Plane) Flow Rate per Unit Width and Hydraulic Transmissivity of a Geosynthetic Using a Constant Head
74. ASTM D4751 Test Method for Determining Apparent Opening Size of a Geotextile
75. ASTM D4833 Test Method for Index Puncture Resistance of Geotextiles, Geomembranes and Related Products
76. ASTM D4884 Test Method for Seam Strength of Sewn Geotextiles
77. ASTM D4885 Test Method for Determining Performance Tensile Strength of Geomembranes Using Wide Strip Testing

78. ASTM D4886 Test Method for Abrasion Resistance of Geotextiles (Sand Paper/Sliding Block Method)
79. ASTM D5034 Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Method)
80. ASTM D5035 Test Method for Breaking Strength and Elongation of Textile Fabrics (Strip Method)
81. ASTM D5101 Test Method for Measuring the Soil-Geotextile System Clogging Potential by the Gradient Ratio
82. ASTM D5141 Test Method to Determine Filtering Efficiency and Flow Rate of a Geotextile for Silt Fence Application Using Site Specific Soil
83. ASTM D5199 Test Method for Measuring Nominal Thickness of Geotextiles and Geomembranes
84. ASTM D5261 Test Method for Measuring Mass per Unit Area of Geotextiles
85. ASTM D5262 Test Method for Evaluating the Unconfined Tension Creep Behavior of Geosynthetics
86. ASTM D5263 Test Method for Evaluating the Tension Creep Behavior of Geosynthetics
87. ASTM D5321 Test Methods for Determining the Coefficient of Soil and Geosynthetic or Geosynthetic and Geosynthetic Friction by the Direct Shear Method
88. ASTM D5322 Standard Practice for Immersion Procedures for Evaluating the Chemical Resistance of Geosynthetics to Liquids
89. ASTM D5323 Determination of 2% Secant Modulus for Polyethylene Geomembranes
90. ASTM D5397 Test Method for Evaluation of Stress Crack Resistance of Polyolefin Geomembranes using Notched Constant Tension Load Test
91. ASTM D5493 Test Method for the Permittivity of Geotextiles Under Load
92. ASTM D5494 Test Methods for the Determination of Pyramidal Puncture Resistance of Unprotected and Protected Geomembranes
93. ASTM D5514 Test Method for Large Scale Hydrostatic Puncture Testing of Geosynthetics]
94. ASTM D5567 Test Methods for Hydraulic Conductivity Ratio (HCR) Testing of Soil/Geotextile Systems
95. ASTM D5596 Test Methods for Microscopic Evaluation of the Dispersion of Carbon Black in Polyolefin Geosynthetics
96. ASTM D5617 Test Methods for Multi-Axial Tension Test for Geosynthetics
97. ASTM D5721 Standard Practice for Air-Oven Aging of Polyolefin Geomembranes
98. ASTM D5747 Standard Practice for Tests to Evaluate the Chemical Resistance of Geosynthetics to Liquids
99. ASTM D5818 Standard Practice for Exposure and Retrieval of Samples to Evaluate Installation Damage of Geosynthetics
100. ASTM D5884 Test Method for the Tearing Strength of Internally Reinforced Geomembranes]
101. ASTM D5885 Standard Test Method for Oxidative Induction Time of Polyolefin Geosynthetics by High-Pressure Differential Scanning Calorimetry
102. ASTM D5887 Standard Test Method for Measurement of Index Flux Through Saturated Geosynthetic Clay Liners Specimens Using a Flexible Wall Permeameter]
103. ASTM D5890 Standard Test Method for Swell Index of Clay Mineral Component of Geosynthetic Clay Liners
104. ASTM D5891 Standard Test Method for Fluid Loss of Clay Component of Geosynthetic Clay Liners
105. ASTM D5970 Standard Practice for Deterioration of Geotextiles from Outdoor Exposure
106. ASTM D5993 Test Method for Measuring the Mass Per Unit Area of GCL
107. ASTM D5994 Test Method for Measuring the Core Thickness of Textured Geomembranes
108. ASTM D6140 Test Method to Determine Asphalt Retention of Paving Fabrics Used in Asphalt Paving for Full Width Applications
109. ASTM D6213 Standard Practice to evaluate chemical resistance of geogrids in liquids
110. ASTM D6214 Test Method for Determining the Integrity of Field Seams Used in Joining Geomembranes by Chemical Fusion Methods
111. ASTM D6241 Test Method for the Static Puncture Strength of Geotextiles and Geotextile Related Products Using a 50-mm Probe
112. ASTM D6243 Test Method for Determine the Internal and Interface Shear Resistance of Geosynthetic Clay Liners by the Direct Shear Method
113. ASTM D6244 Standard Test Method for Vertical Compression of Geocomposite Pavement Panel Drains
114. ASTM D6364 Test Method for Determining the Short-Term Compression Behavior of Geosynthetics

115. ASTM D6389 Standard Practice to evaluate chemical resistance of Geotextiles in liquids.
116. ASTM D6392 Standard Test Method for Determining the Integrity of Nonreinforced Geomembrane Seams Produced Using Thermo-Fusion Method
117. ASTM D6454 Test Method for Determining the Short-Term Compression Behavior of Turf Reinforcement Mats (TRMs)
118. ASTM D6459 Standard Test Method for Determination of Rolled Erosion Control Product (RECP) Performance in Protecting Hillslopes from Rainfall-Induced Erosion
119. ASTM D6460 Standard Test Method for Determination of Rolled Erosion Control Product (RECP) Performance in Protecting Earthen Channels from Stormwater-Induced Erosion
120. ASTM D6475 Test Method for Measuring Mass Per Unit Area of Erosion Control Blankets
121. ASTM D6496 Test Method for Determining the Average Bonding Peel Strength Between Top and Bottom Layers of Needle-Punched Geosynthetic Clay Liners
122. ASTM D6524 Test Method for Measuring the Resiliency of Turf Reinforcement Mats (TRMs)
123. ASTM D6525 Test Method for Measuring Nominal Thickness of Permanent Erosion Control Products
124. ASTM D6566 Test Method for Measuring Mass per Unit Area of Turf Reinforcement Mats (TRMs)
125. ASTM D6567 Test Method for Measuring Light Penetration of Turf Reinforcement Mat (TRM)
126. ASTM D6574 Test Method for Determining the In-Plane Hydraulic Transmissivity of a Geosynthetic by Radial Flow
127. ASTM D6575 Test Method for Determining Stiffness of Geosynthetics used as Turf Reinforcement Mats (TRMs)
128. ASTM D6636 Test Method for Determination of Ply Adhesion Strength of Reinforced Geomembranes
129. ASTM D6637 Test Method for Determining Tensile Properties of Geogrids by the Single or Multi-Rib Tensile Method
130. ASTM D6638 Test Method for Determining Connection Strength Between Geosynthetic Reinforcement and Segmental Concrete Units (Modular Concrete Blocks)
131. ASTM D6693 Test Method for Determining Tensile Properties of Nonreinforced Polyethylene and Nonreinforced Flexible Polypropylene Geomembranes
132. ASTM D6706 Test Method for Determining Pull-Out Resistance of Geosynthetics
133. ASTM D6766 Test Method for Evaluation of Hydraulic Properties of Geosynthetic Clay Liners Permeated with Potentially Incompatible Liquids
134. ASTM D6767 Test Method for Pore Size Characteristics of Geotextiles by Capillary Flow Test
135. ASTM D6768 Test Method for Tensile Strength of Geosynthetic Clay Liners
136. ASTM D6818 Test Method for Ultimate Tensile Properties of Turf Reinforcement Mats
137. ASTM D6916 Test Method for Determining the Shear Strength Between Segmental Concrete Units (Modular Concrete Blocks)
138. ASTM D6918 Test Method for Testing Vertical Strip Drains in the Crimped Condition
139. ASTM D6992 Test Method for Time-Temperature Superposition Using Stepped Isothermal Method
140. ASTM D7003 Test Method for Strip Tensile Properties of Reinforced Geomembranes
141. ASTM D7004 Test Method for Grab Tensile Properties of Reinforced Geomembranes
142. ASTM D7005 Test Method for Determining the Bond Strength (Ply Adhesion) of Geocomposites
143. ASTM D7056 Test Method for Determining the Tensile Shear Strength of Prefabricated Bituminous Geomembrane Seams
144. ASTM D7101 Standard Index Test Method for Determination of Unvegetated Rolled Erosion Control Product (RECP) Ability to Protect Soil from Rain Splash and Associated Runoff Under Bench-Scale Conditions
145. ASTM D7179 Test Method for Determining Geonet Breaking Force
146. ASTM D7207 Standard Test Method for Determination of Unvegetated Rolled Erosion Control Product (RECP) Ability to Product Sand from Hydraulically-Induced Shear Stresses under Bench-Scale Conditions
147. ASTM D7238 Standard Test Method for Effect of Exposure of Unreinforced Polyolefin Geomembrane Using Fluorescent UV Condensation Apparatus
148. ASTM D7272 Test Method for Determining the Integrity of Seams Used in Joining Geomembranes by Pre-manufactured Taped Methods
149. ASTM D7274 Test Method for Mineral Stabilizer Content of Prefabricated Bituminous Geomembranes (BGM)

150. ASTM D7275 Test Method for Tensile Properties of Bituminous Geomembranes (BGM)
151. ASTM D7322 Standard Test Method for Determination of Rolled Erosion Control Product (RECP) Ability to Encourage Seed Germination and Plant Growth Under Bench-Scale Conditions
152. ASTM D7351 Standard Test Method for Determination of Sediment Retention Device Effectiveness in Sheet Flow Application
153. ASTM D7361 Standard Test Method for Accelerated Compressive Creep of Geosynthetic Materials Based on Time-Temperature Superposition Using the Stepped Isothermal Method
154. ASTM D7406 Test Method for Time-Dependent (Creep) Deformation Under Constant Pressure for Geosynthetic Drainage Products
155. ASTM D7408 Standard Practice for Non-resin PVC geomembrane seams
156. ASTM D7409 Standard Test Method for Carboxyl End Group Content of Polyethylene Terephthalate (PET) Yarns
157. ASTM D7447 Standard Practice for Geosynthetic reinforced membranes using Seam Strip
158. ASTM D7448 Standard Practice for Flexural rigidity of geogrids
159. ASTM D7449 Test Method to measure relative complex permeability and relative magnetic permeability of solid materials at microwave frequencies using coaxial air line.
160. ASTM D7466 Standard Test Method for Measuring Asperity Height of Textured Geomembrane
161. ASTM D7498 Standard Test Method for Vertical Strip Drains Using a Large Scale Consolidation Test
162. ASTM D7499 Standard Test Method for Measuring Geosynthetic-Soil Resilient Interface Shear Stiffness
163. ASTM D7556 Standard Test Method for Determining Small-Strain Tensile Properties of Geogrids and Geotextiles by In-Air Cyclic Tension Tests
164. ASTM D7701 Standard Test Method for Determining the Flow Rate of Water and Suspended Solids from a Geotextile Bag
165. ASTM D7737 Standard Test Method for Individual Geogrid Junction Strength
166. ASTM D7747 Standard Test Method for Determining Integrity of Seams Produced Using Thermo-Fusion Methods for Reinforced Geomembranes by the Strip Tensile Method
167. ASTM D7748 Standard Test Method for Flexural Rigidity of Geogrids, Geotextile and Related Products
168. ASTM D7749 Test Method for Determining Integrity of Seams produced using Thermo-Fusion Methods for reinforced Geomembranes by the Grab Method.
169. ASTM D7853 Standard Test Method for Hydraulic Pullout Resistance of a Geomembrane with Locking Extensions Embedded in Concrete
170. ASTM D7864 Test Method for Determining the Aperture Stability Modulus of Geogrids.
171. ASTM D7880 Test Method for Determining Flow Rate of Water and Suspended Solids Retention from a Closed Geosynthetic Bag.
172. ASTM D8058 Test Method for Determining the Flexural Strength of Solvent-Welded Seams with Non reinforced Geomembranes.
173. ASTM D8117 Test Method for Oxidative Induction Time of Polyolefin Geosynthetics by Differential Scanning Calorimetry
174. ASTM D8172 Test Method for Shear and Peel Strength of Solvent-Welded Seams with Non reinforced Geomembranes
175. ASTM D8203 Test Method for Determination of the Horizontal Water Flow Rate of a Geosynthetic Screening Material, Product or Device
176. ASTM E96 Test Method for Water Vapor Transmission of Materials
177. ASTM E794 Standard Test Method for Melting and Crystallization Temperatures by Thermal Analysis
178. ASTM F904 Test Method for Comparison of Bond Strength or Ply Adhesion of Similar Laminates Made from Flexible Materials
179. ASTM F1249 Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor
180. ASTM F1473 Test Method for Notched Tensile Test to Measure the Resistance to Slow Crack Growth of Polyethylene Pipes and Resins

181. ASTM F2136 Standard Test Method for Notched, Constant Ligament-Stress (NCLS) Test to Determine Slow-Crack-Growth Resistance of HDPE Resins or HDPE Corrugated Pipe
182. ASTM G151 Standard Practice for Exposing Non-Metallic Materials in Accelerated Test Devices that use Laboratory Light Sources
183. ASTM G154 Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials
184. ASTM G155 Practice for Operating Xenon Arc Light Apparatus for Exposure of Nonmetallic Materials
185. ASTM G160 Standard Practice for Evaluating Microbial Susceptibility of Nonmetallic Materials by Laboratory Soil Burial
186. FTM STD. No. 101c (method 2065), Puncture Resistance and Elongation Test (1/8 in. radius probe)
187. ISO 34 Rubber, vulcanized or thermoplastic - Determination of Tear Strength – Part 1: Trouser, angle and crescent test pieces
188. ISO 179 Plastics – Determination of the Charpy impact properties – Part 1: Non-instrumented impact test Part 2: Instrumented impact test
189. ISO 527 Plastics – Determination of Tensile properties – Part 3: Test conditions for films and sheets
190. ISO 811 Textile Fabrics – Determination of Resistance to water Penetration – Hydrostatic Pressure Test
191. ISO 1133 Plastics – Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics
192. ISO 1183 Plastics – Methods for determining the density of non-cellular plastics – Part 1: Immersion method, liquid pycnometer method and titration method, Part 2: Density gradient column method, Part 3: Gas pycnometer method
193. ISO 2528 Sheet materials – Determination of water vapor transmission rate – Gravimetric (dish) method
194. ISO 6427 Plasticizers in PVC (estimate of extractables and their identification by means of GC)
195. ISO 6964 Polyolefin pipes and fittings – Determination of carbon black content by calcinations and pyrolysis – test method and basic specification
196. ISO 9863 Geotextiles - Determination of thickness at specified pressure
197. ISO 9864 Geotextiles - Determination of mass per unit area
198. ISO 10319 Geotextiles - Wide width tensile test
199. ISO 10321 Geotextiles - Tensile test for joints/seams by wide-width method
200. ISO 10722 Geotextiles and geotextiles - related products – Procedure for simulating damage during installation Part 1: Installation in granular materials
201. ISO 10769 Clay geosynthetic barriers (GBR-C) – Determination of Water Absorption of Bentonite
202. ISO 10772 Geotextiles- Determination of the filtration behavior of Geotextiles under Turbulent Water Flow conditions
203. ISO 10773 Clay geosynthetic barriers – Determination of Permeability to Gases
204. ISO 10776 Geotextiles and geotextile-related products – Determination of water permeability characteristics normal to the plane, under load
205. ISO 11058 Geotextiles and geotextiles – related products - Determination of water permeability characteristics normal to the plane, without load
206. ISO 11357 Plastics – Differential scanning calorimetry (DSC) – Part 1: General principles, Part 2: Determination of the glass transition temperature, Part 3: determination of the temperature and enthalpy of melting and crystallization, Part 4: Determination of the specific heat capacity
207. ISO 11358 Plastics – Thermogravimetry (TG) of polymers – Part 1: General principles, Part 2: Determination of activation energy
208. ISO 11359 Plastics – Thermomechanical analysis (TMA) – Part 1: General principles, Part 2: Determination of coefficient of linear thermal expansion and glass transition temperature, Part 3: Determination of penetration temperature
209. ISO BS EN 12225 Geotextiles and geotextile-related products – Method to determine Microbiological resistance by soil burial test
210. ISO 12236 Geotextiles and geotextiles - related products – Static puncture test (CBR test)



211. ISO BS EN 12447 Geotextiles and geotextile-related products – Screening test method for determining the resistance to hydrolysis in water
212. ISO 12956 Geotextiles and geotextiles - related products – Determination of the characteristic opening size
213. ISO 12957-1 Geosynthetics – Determination of friction characteristics Part 1: Direct shear test
214. ISO 12957-2 Geosynthetics – Determination of friction characteristics, Part 2: Inclined plane test
215. ISO 12958-1 Geotextiles and geotextiles - related products – Determination of water flow capacity in their plane Part 1: Index Test
216. ISO 12958-2 Geotextiles and geotextile-related products – Determination of water flow capacity in their plane Part 2: Performance Test
217. ISO 12960 Geotextiles and geotextiles - related products – Screening test method for determining the resistance to liquids
218. ISO 13426 Geotextiles and geotextiles - related products – Strength of internal structural junctions – Part 1: Geocells Part 2: Geocomposites
219. ISO 13427 Geotextiles and geotextiles - related products – Abrasion damage simulation (sliding block test)
220. ISO 13428 Geosynthetics – Determination of the protection efficiency of a geosynthetic against impact damage
221. ISO 13430 Geotextiles and geotextiles – related products - Determination of pullout resistance in soil
222. ISO 13431 Geotextiles and geotextiles – related products - Determination of the tensile creep and creep rupture behavior
223. ISO 13433 Geotextiles and geotextiles - related products – Dynamic perforation test (cone drop test)
224. ISO 13436 Geosynthetic barriers - Determination of permeability to liquids
225. ISO 13438 Geotextiles and geotextiles - related products – Screening test method for determining the resistance to oxidation
226. ISO 13439 Geotextiles and geotextile-related products – Determination of Hydraulic Resistance
227. ISO 13934 Textiles – Tensile properties of fabrics – Part 1: Determination of maximum force and elongation at the maximum force using the strip method, Part 2: Determination of maximum force using the grab method
228. ISO 17011 Conformity assessment - General requirements for accreditation bodies accrediting conformity assessment bodies
229. ISO 17025 General requirements for the competence of testing and calibration laboratories
230. ISO 18325 Geosynthetics – Determination of water discharge capacity for prefabricated vertical drains
231. ISO 19708 Geosynthetics – Procedure for simulating damage under interlocking-concrete-block pavement by the roller compactor method.
232. ISO 22182 Geotextiles and geotextile-related products Determination of abrasion resistance characteristics under wet conditions for hydraulic applications.
233. ISO 24576 Geosynthetics – Determining the resistance of polymeric Geosynthetic barriers to environmental stress cracking.
234. ISO 25619-1 Geosynthetics – Determination of compression behavior Part 1: Long term
235. ISO 25619-2 Geosynthetics – Determination of compression behavior Part 2: Short term
236. CEN 918 Dropped Cone Test Method
237. EN 728 Plastic piping and ducting systems – Polyolefin pipes and fittings – Determination of oxidation induction time
238. EN 12224 Geotextiles and geotextiles - related products – Determination of the resistance to weathering
239. EN 12225 Geotextiles and geotextiles - related products - Method for determining the microbiological resistance by a soil burial test
240. EN 12447 Geotextiles and geotextiles - related products – Screening test method for determining the resistance to hydrolysis
241. EN 13562 Geotextiles and geotextiles - related products – Determination of resistance to penetration by water (hydrostatic pressure test)

**Geosynthetic Accreditation Institute**  
**Application for Laboratory Accreditation Program**

**Date: October 10, 2018**

**Revision: #21**

**Written by: G.R.K.**

**Approved by R.M.K.**

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- 242. EN 14030 Screening Test Method to Determine the Resistance to Acid and Alkaline Liquids
- 243. EN 14574 Determination of the Pyramid Puncture Resistance of supported Geosynthetics
- 244. BAW 3.11 Test Method to test Geotextiles for navigable waterways
- 245. CAN/CGSB148.1No10 Test Method for testing Geosynthetic Geotextiles for filtration opening size

**Accreditation Conditions**

To attain and maintain accreditation an applicant must agree to all of the following:

- Cooperate with GAI to verify compliance with the requirements of the GAI-LAP.
- Comply with the criteria, requirements and conditions of accreditation.
- Claim that it is accredited only with respect to the particular test methods for which it has been granted accreditation.
- Agree to the following fee schedule:
  - First year - \$3,500 to join the program plus auditors expenses incurred at on-site audit.
  - Annual fee - \$2,500 regardless of the number of tests for which accreditation is sought.  
Note, a 25% discount is applied to multiple labs within the same parent organization.
  - Years 5, 10, 15 etc. - A fee of \$3,500 plus auditors expenses incurred at on-site audit.
- Upon suspension, withdrawal or expiration of accreditation, discontinue use of certificates and all advertising that contains reference to the accreditation program.
- Accreditation is terminated for any given test upon permanently moving equipment to a facility not physically attached to the building originally audited.
- Not use the GAI accreditation certificate in a misleading manner as to imply that the accreditation suggests approval of the final report of test data.
- Inform GAI of changes to key personnel (i.e. laboratory technical manager or quality manager) within one week after the change at a minimum. Note that notification prior to the change is appreciated but not mandatory.
- Carry out adjustments to its procedures in response to due notice by GAI at a mutually agreed upon timely fashion.

**As the applicant laboratory's authorized representative, I agree to the above conditions for accreditation and that all statements on this application are correct to the best of my knowledge.**

Signature \_\_\_\_\_ Title \_\_\_\_\_

Printed Name \_\_\_\_\_ Date \_\_\_\_\_