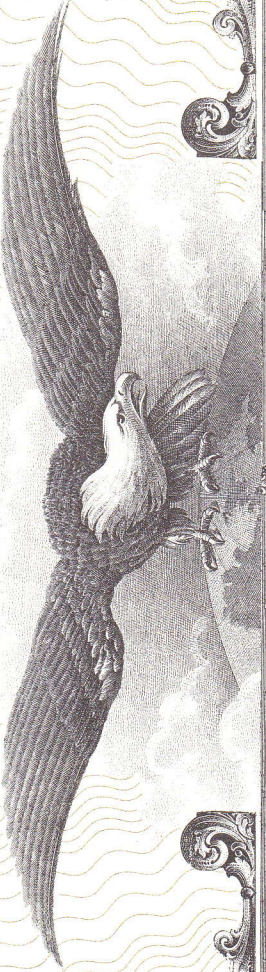


Accreditation #:  
GAI-LAP - 26 - 97  
TEL (610) 522-8440



Geosynthetic Institute  
457 Kedron Avenue  
Folsom, PA 19033

# AGRU America Inc.

*is granted accreditation  
for designated geosynthetic test methods in accordance with the  
Geosynthetic Accreditation Institute - Laboratory Accreditation  
(GAI-LAP), as published in its annual directory.*

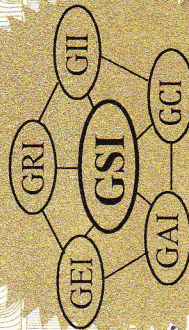
*This accreditation is valid until June 30, 2018.*

*Robert M. Koerner*

Robert M. Koerner, Ph.D., P.E.  
Director Emeritus

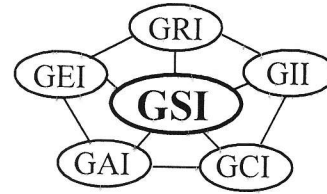
*George R. Koerner*

George R. Koerner, Ph.D., P.E. & CQA  
Auditor



## ***Geosynthetic Institute***

475 Kedron Avenue  
Folsom, PA 19033-1208 USA  
TEL (610) 522-8440  
FAX (610) 522-8441



June 2, 2017

Ms. Maria Coffey  
QAQC Manager  
Agru America, Inc.  
500 Garrison Road  
Georgetown, SC 29440

Re: GAI-LAP Accreditation

Dear Ms. Coffey:

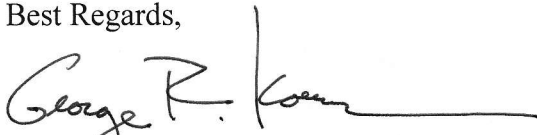
The Geosynthetic Institute (GSI) is pleased to acknowledge Agru-America Inc. on its repertoire of Geosynthetic Accreditation Institute's-Laboratory Accreditation Program (GAI-LAP) accredited tests. This letter should serve as notification that Agru-America Inc. located in Georgetown, SC is currently accredited for the following twenty seven test methods until June 30, 2018.

1. ASTM D792 Test Method for Specific Gravity (Relative Density) and Density of Plastics by Displacement
2. ASTM D1004 Test Method for Initial Tear Resistance of Plastic Film and Sheeting
3. ASTM D1204 Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature
4. ASTM D1238 Test Method for Flow Rates of Thermoplastics by Extrusion Plastometer
5. ASTM D1693 Test Method for Environmental Stress-Cracking of Ethylene Plastics
6. ASTM D3895 Test Methods for Oxidative-Induction Time of Polyolefins by Differential Scanning Calorimetry
7. ASTM D4218 Test Method for Carbon Black Content in Polyethylene Compounds by the Muffle-Furnace Technique
8. ASTM D4716 Test Method for Determining the (In-Plane) Flow Rate per Unit Width and Hydraulic Transmissivity of a Geosynthetic Using a Constant Head
9. ASTM D4833 Test Method for Index Puncture Resistance of Geotextiles, Geomembranes and Related Products
10. ASTM D5035 Test Method for Breaking Strength and Elongation of Textile Fabrics (Strip Method)
11. ASTM D5199 Test Method for Measuring Nominal Thickness of Geotextiles and Geomembranes
12. ASTM D5261 Test Method for Measuring Mass per Unit Area of Geotextiles

13. ASTM D5397 Test Method for Evaluation of Stress Crack Resistance of Polyolefin Geomembranes using Notched Constant Tension Load Test
14. ASTM D5596 Test Methods for Microscopic Evaluation of the Dispersion of Carbon Black in Polyolefin Geosynthetics
15. ASTM D5887 Standard Test Method for Measurement of Index Flux Through Saturated Geosynthetic Clay Liners Specimens Using a Flexible Wall Permeameter
16. ASTM D5890 Standard Test Method for Swell Index of Clay Mineral Component of Geosynthetic Clay Liners
17. ASTM D5891 Standard Test Method for Fluid Loss of Clay Component of Geosynthetic Clay Liners
18. ASTM D5993 Test Method for Measuring the Mass Per Unit Area of GCL
19. ASTM D5994 Test Method for Measuring the Core Thickness of Textured Geomembranes
20. ASTM D6364 Test Method for Determining the Short-Term Compression Behavior of Geosynthetics Drains
21. ASTM D6496 Test Method for Determining the Average Bonding Peel Strength Between Top and Bottom Layers of Needle-Punched Geosynthetic Clay Liners
22. ASTM D6693 Test Method for Determining Tensile Properties of Nonreinforced Polyethylene and Nonreinforced Flexible Polypropylene Geomembranes
23. ASTM D6768 Test Method for Tensile Strength of Geosynthetic Clay Liners
24. ASTM D7005 Test Method for Determining the Bond Strength (Ply Adhesion) of Geocomposites
25. ASTM D7179 Test Method for Determining the Geonet Breaking Force
26. FTM STD. No. 101c (method 2065), Puncture Resistance and Elongation Test (1/8 in. radius probe)
27. ASTM D7466 Test Method for Measuring the Asperity Height of Textured Geomembranes

A certificate to this affect has been enclosed, signed and sealed. Any questions regarding your accreditation should be directed to George or Robert Koerner at (610) 522-8440. Once again congratulation and thank you for participating in the GAI-LAP.

Best Regards,



George R. Koerner, Ph.D., P.E. & CQA  
Director