TEST REPORT

1. NO : CT25-092758E
2. Client
   - ○ Name : Inha University Research and Business Foundation
   - ○ Address : 100, Inha-ro, Michuhol-gu, Incheon, Republic of Korea
3. Date of Test : 2025.11.03 ~ 2025.11.20
4. Use of Report : -
5. Test Sample : Poly(Glutaric anhydride-alt-Cardanol glycidylether) (PGC)
6. Test Method
   (1) ASTM D6866-24
7. Test Results

1) Poly(Glutaric anhydride-alt-Cardanol glycidylether) (PGC)

Test Item(s)	Unit	Test Method	Test Results	Remark	Loc.
Bio-based carbon content	%	(1)	71	-	A
pMC(percent Modern Carbon)	%	(1)	70.42 ± 0.71		

※ Location
A : 27, Gaetbeol-ro, Yeonsu-gu, Incheon, Republic of Korea

Affirmation	Tested By	Technical Manager
	Name : Changhoon Han (han chang hoon)	Name : JUNG CHOL HOO (정철후)

This report is not accredited by KOLAS and KS Q ISO/IEC 17025.
Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified. The test results are not indicative of representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products. The results of using only a portion of this report cannot be guaranteed. The authenticity of this test report can be checked on KCL website(www.kcl.re.kr).

2025.11.20

Korea Conformity Laboratories

Result Inquiry : INU innovation center 4th floor 7-43, Songdo-dong, Yeonsu-gu, Incheon, Korea (82-32-460-5129)

시점확인필 KCL : 2025.11.27 15:57:00 KST 한국무역정보통신 공인인증센터

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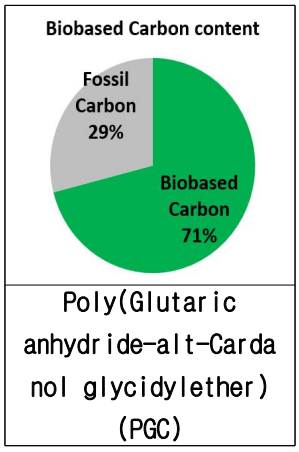
■ Test results



Poly(Glutaric anhydride-alt-Cardanol glycidylether) (PGC)

■ Bio-carbon content measurement

Bio-carbon content (%) was measured using Method B (AMS) of the standard ASTM D6866-24, and the measurement precision quoted according to the standard is ± 3 % (absolute value), and the precision of radiocarbon isotope content is ± 1 σ(relative standard deviation).

percent Modern Carbon (pMC) is a value measured using an acceleration mass spectrometer, and the sample was graphitized using IONPLUS's AGE3 (graphitizer) for pretreatment of the sample.

The atmospheric correction factor was applied at 99.4 pMC, which is the value corresponding to 2025 in ASTM D6866-24, and when the biocarbon content exceeded 100%, it was calculated according to (22.7 ~ 22.9).

Biocarbon content is calculated based on TC (Total Carbon).

- end of report -