

Prüfbericht - Nr.: 10040891 002		Seite 1 von 5	
<i>Test Report No.:</i>		<i>Page 1 of 5</i>	
Auftraggeber: <i>Client:</i>	LIEN SHENG PLASTIC INDUSTRIAL CO., LTD. No. 68-24, Pusin, Neighborhood 11, Pusin Village, Dayuan Township, Taoyuan County, Taiwan, R.O.C.		
Gegenstand der Prüfung: <i>Test Item:</i>	1 plastics, white		
Bezeichnung: <i>Identification:</i>	PLA / 0.2g		
Anlieferungszustand: <i>Delivery condition:</i>	apparent good	Eingangsdatum: <i>Date of Receipt:</i>	2013-03-12
Prüfort: <i>Testing location:</i>	Laboratories of TÜV Rheinland Taiwan		
Prüfgrundlage: <i>Test specification:</i>	Testing according to customers specification for the following parameter: Material analysis		
Prüfergebnis: <i>Test result:</i>	The test results are the measurements, stated in the test report.		
geprüft: tested by:		kontrolliert: checked by:	
 2014-02-18 Anne Chen /Coordinator		 2014-02-18 Tammy Wang /Assistant Project Manager	
Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>
Sonstiges/ Other Aspects:			
Test period: 2013-03-12 – 2013-04-02			
Abkürzungen:		Abbreviations:	
ok / P = entspricht Prüfgrundlage		ok / P = passed	
fail / F = entspricht nicht Prüfgrundlage		fail / F = failed	
n.a. / N = nicht anwendbar		n.a. / N = not applicable	
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i>			

Test Report No. : 10040891 002
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2014-02-18

Sample list:

Mat. No.	Material	Color	Location / Lab no.
1	Plastic	White	TCL130312-15A (0.2g)

Test sample



Remark:

1. Material Analysis
 - 1.1 Infrared rays analysis see attached spectrogram 1
 - 1.2 Differential Scanning Calorimeter see attached graph 2
 - 1.3 Thermogravimetric Analysis see attached graph 3
 - 1.4 Infrared rays analysis see attached spectrogram 4
 - 1.5 Wavelength: 4000 nm ~ 600 nm
2. Volatile Solids Content
 - 2.1 Sample Weight: 4.6563 g



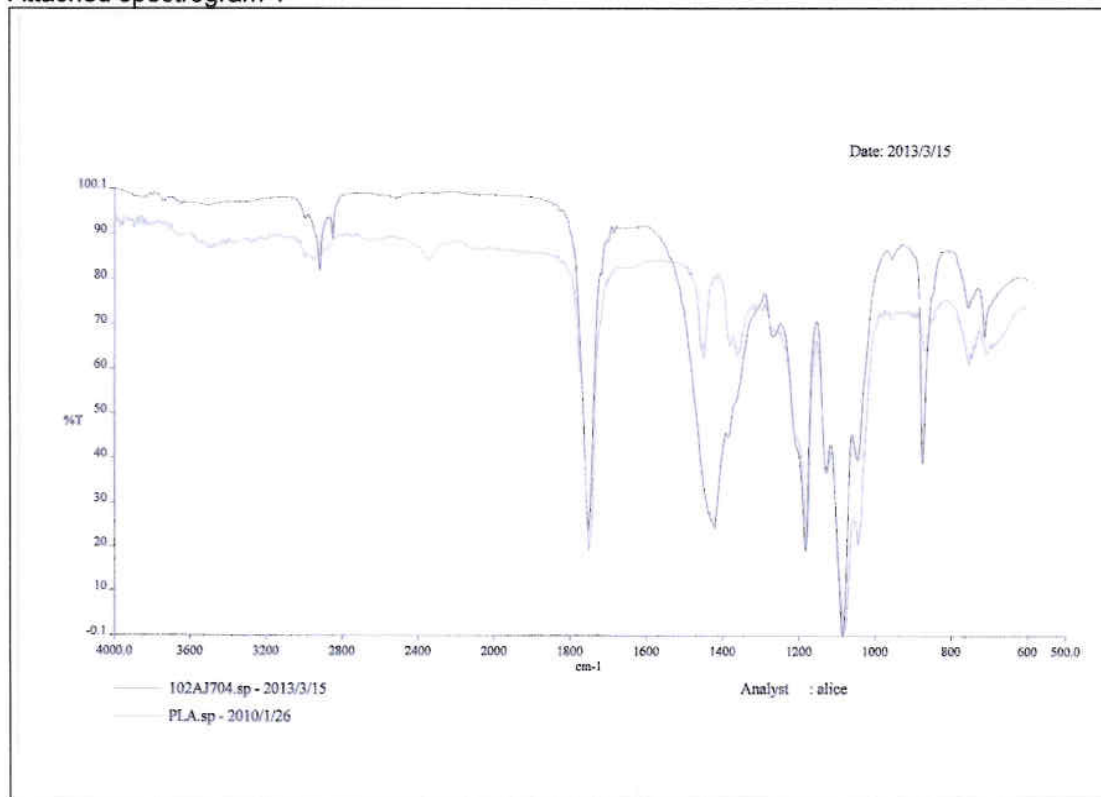
Test Report No. : 10040891 002
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2014-02-18

Sample/Material No.	1
Material Analysis SOP-C025-01*	The main material of the sample is determinate as PLA (Polylactic acid), with FTIR (Fourier transform infrared spectroscopy) and DSC (Differential Scanning Calorimeter) analysis. Inorganic Filler Content: 62.5% CaCO ₃
Volatile Solids Content Oven & Furnace	43.9%

*the method has been certified by ISO/IEC 17025

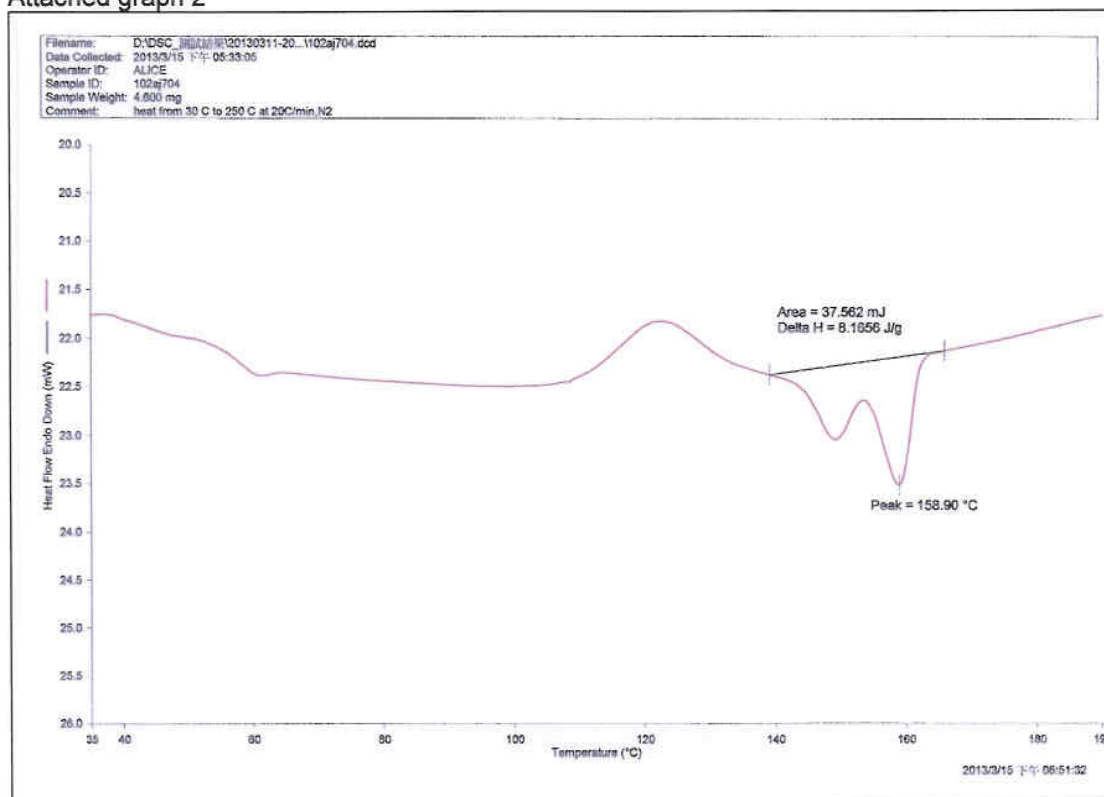
Attached spectrogram 1



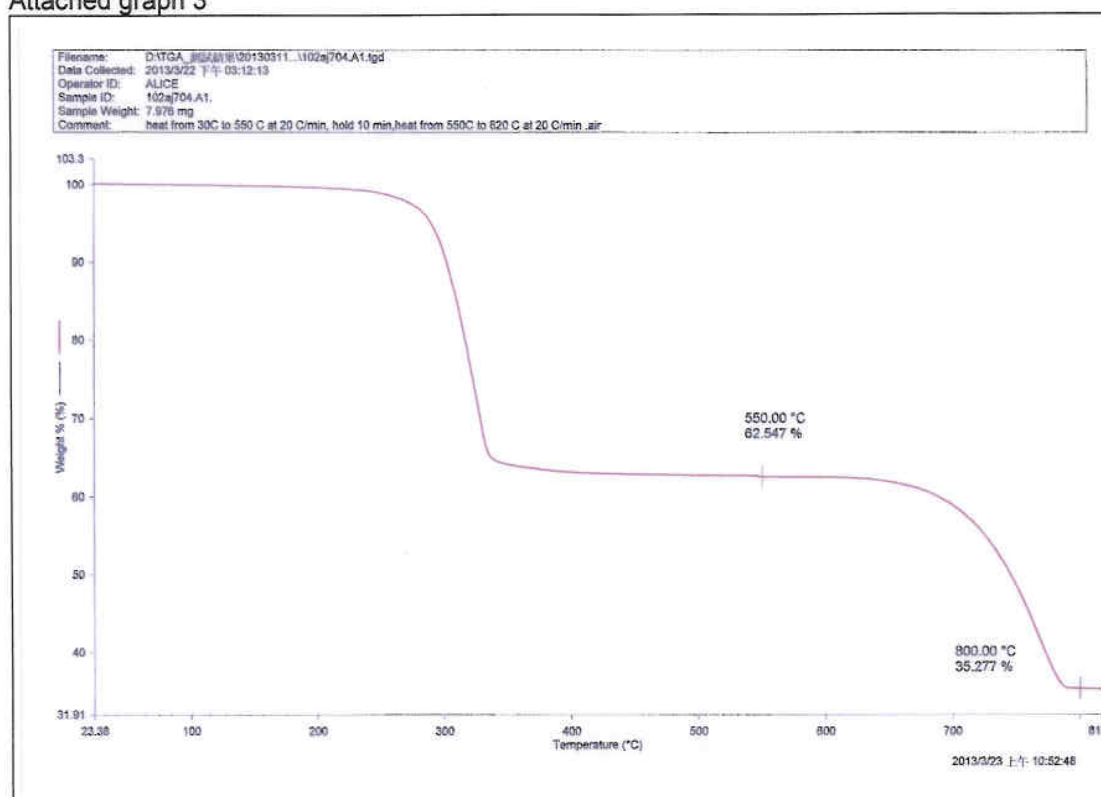
Test Report No. : 10040891 002
Customer : LIEN SHENG PLASTIC INDUSTRIAL CO., LTD.

2014-02-18

Attached graph 2



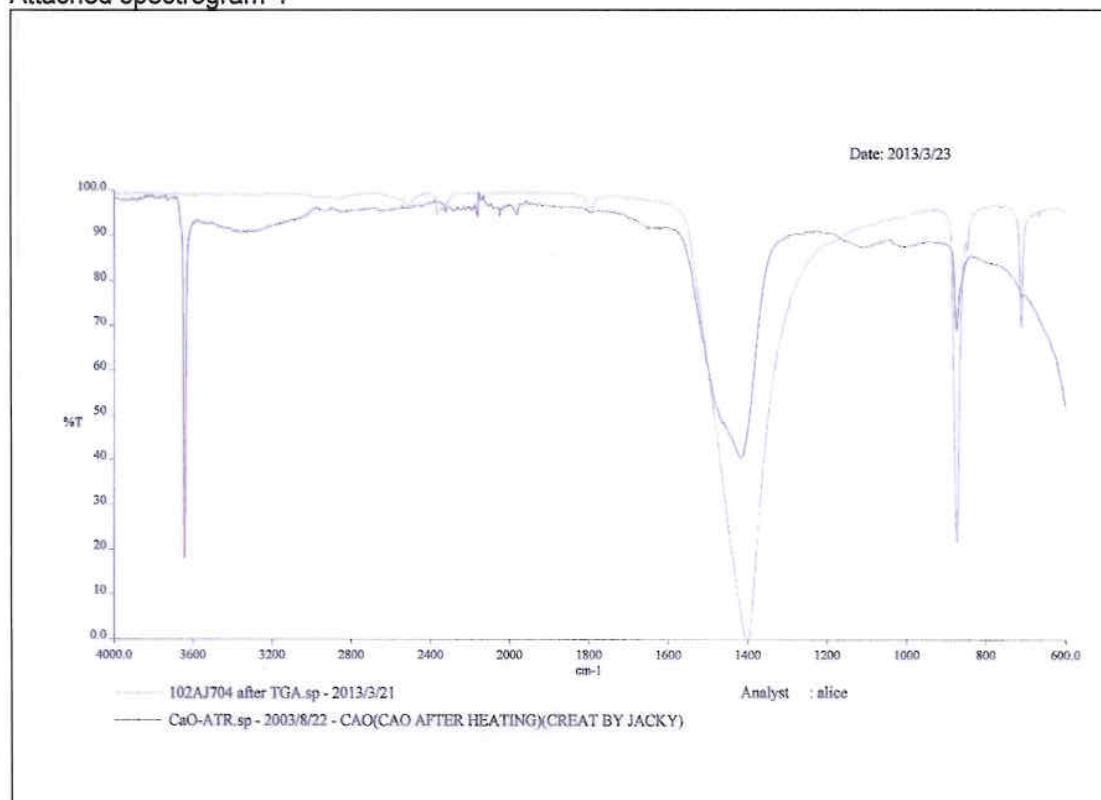
Attached graph 3



Test Report No. : 10040891 002
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2014-02-18

Attached spectrogram 4



--- End of Test-Report ---

