



CMA Testing and Certification Laboratories

廠商會檢定中心

TEST REPORT

Report No. : AS0036697(9)

Date : 04 Jul 2014

Application No.: LS005806(8)

Applicant : TOP FINE (HK) INDUSTRIAL COMPANY LTD.
UNIT 2-3, 17/F, BLOCK B,
WAH TAT INDUSTRIAL CENTRE,
NO.8, WAH SING STREET,
KWAI CHUNG, N.T.,
HONG KONG

Project Name : Biodegradability test

Sample Description : Wheat Plate

Date Received : 26 Feb 2014.

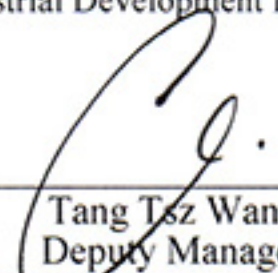
Lab Test Period : 01 May 2014 to 15 Jun 2014.

Test Requested : Biodegradability test reference to ASTM D5338, HS2001.

Test Result : Refer to the results on pages 2-3.

For and on behalf of
CMA Industrial Development Foundation Limited

Authorized Signature :


Tang Tsz Wang
Deputy Manager
Environmental Division

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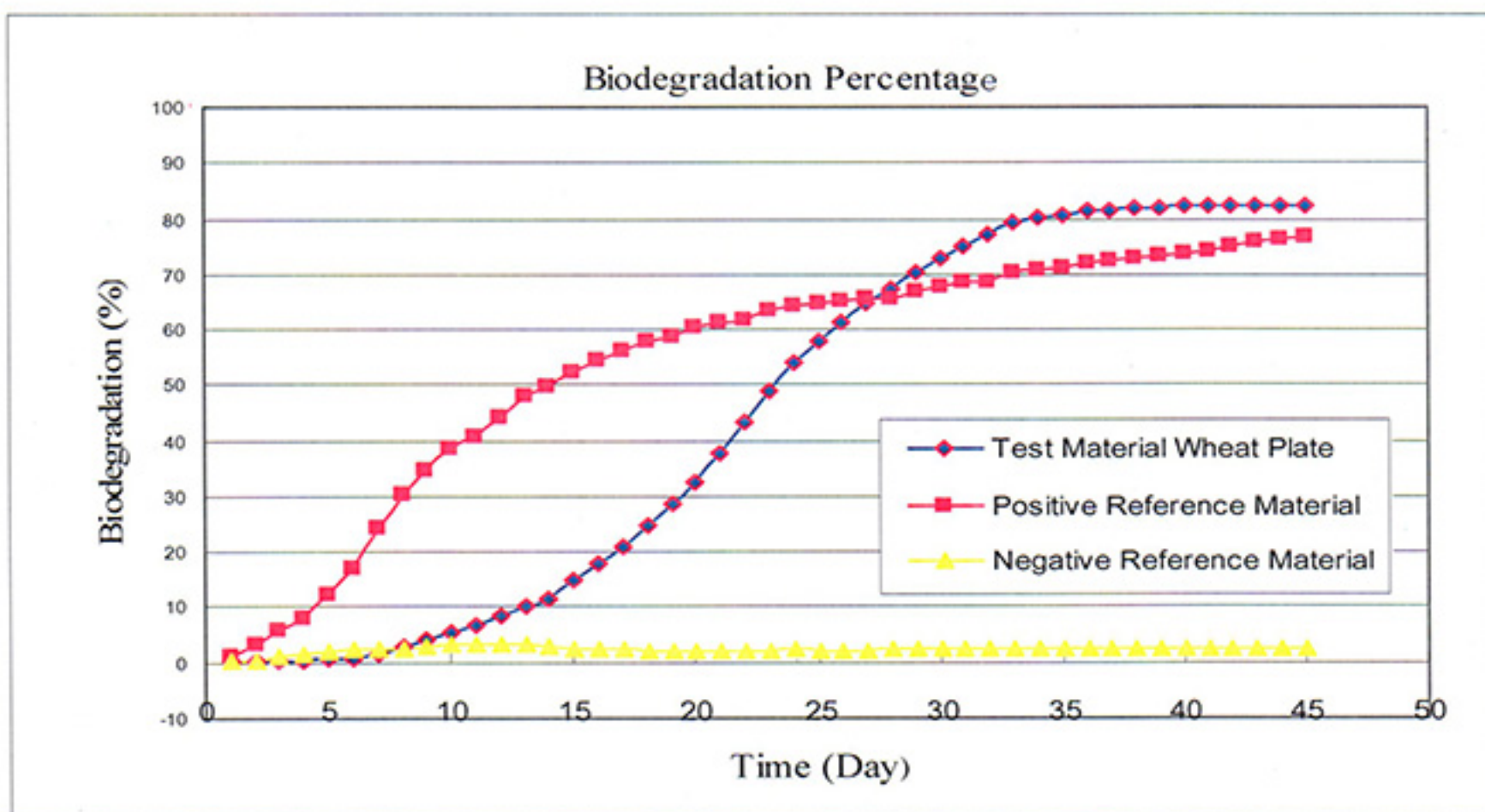
Test Result :

Test material: Wheat Plate Positive Reference material: TLC grade cellulose

Age of compost: Three months Negative Reference material: Polyethylene

Volume of test vessels: 2.5 L Method of CO₂ determination: Titration

	Mean biodegradation calculated from CO ₂ evolved %	Test duration days	Visual observations at the end of test
Test material	82.5	45	The remaining test materials were loose, fragile and not distinguished from the compost mixture naked eye
Positive Reference material	76.9	45	The remaining reference material was not distinguished from the compost mixture naked eye
Negative Reference material	2.7	45	The remaining reference material was unchanged





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Validity criteria

Degree of biodegradation of reference material (cellulose) after 45 days >70 %? Yes No

Difference between percentage biodegradation of reference material in the different vessels at end of test <20 %? Yes No

Mean CO₂ production in the blank vessels after 10 days in the range 50 mg to 150 mg CO₂/g volatile solids? Yes No

Item	TOC (%)
Test material	42.2
Positive Reference material	42.5
Negative Reference material	98.7

Characterization of inoculum (compost)

Item	Test results	Unit
Total dry solids	94.1	%
Volatile solids (VSS)	20.5	%
pH	7.6	-
Total nitrogen content (TKN)	0.56	dry weight (%)

“-” = Not regulated



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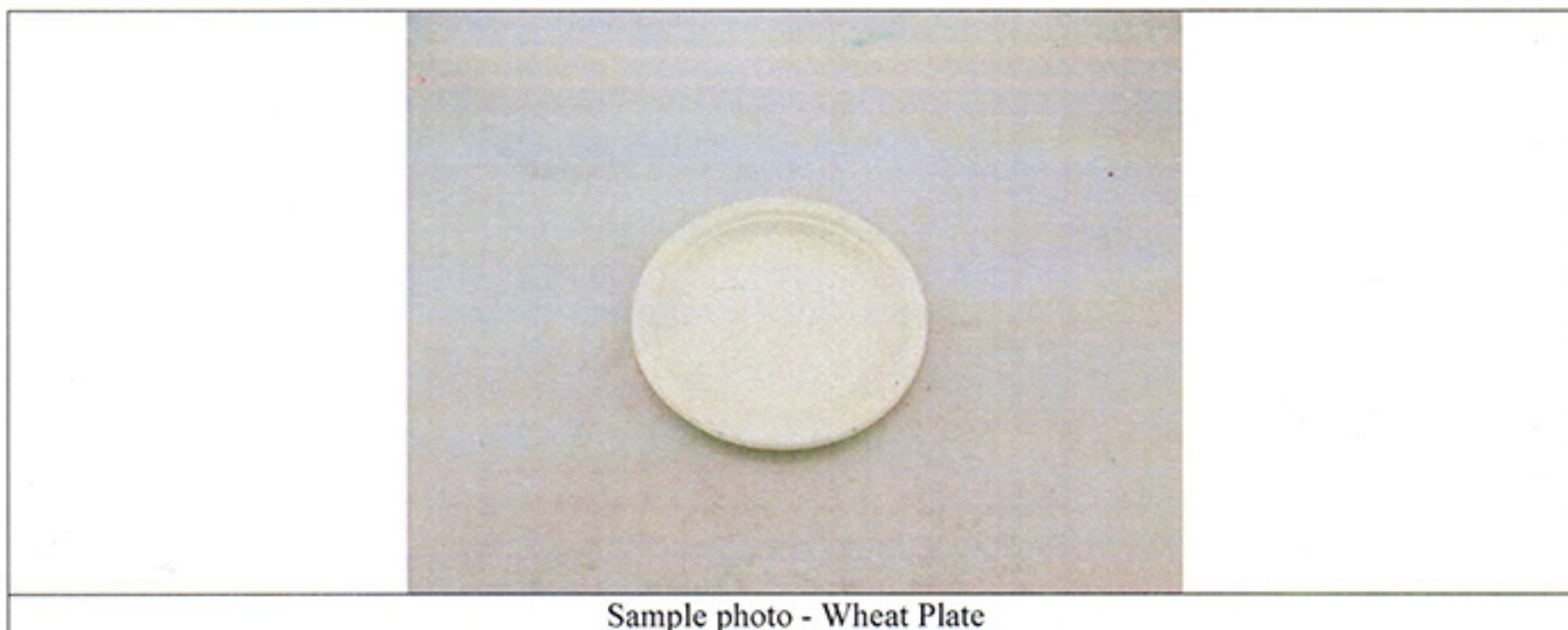
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Appendix I



Sample photo - Wheat Plate

***** End of Report *****