

सेन्ट्रल इन्स्टीट्यूट ऑफ प्लास्टिक्स  
इंजीनियरिंग एवं टेक्नॉलाजी

(रसायन एवं पेट्रोसायन विभाग,  
रसायन एवं उर्वरक मंत्रालय, भारत सरकार)  
बी-२७, अमौसी इण्डस्ट्रियल एरिया, लखनऊ-२२६ ००८  
फोन : 2436910, 2437645-6 फैक्स : 91-522-2436227  
e-mail: cipetlko@gmail.com  
www.cipet.gov.in



CENTRAL INSTITUTE OF PLASTICS  
ENGINEERING & TECHNOLOGY

(Deptt. of Chemicals & Petrochemicals,  
Ministry of Chemical & Fertilizers, Govt. of India)  
B - 27, Amausi Industrial Area, LUCKNOW - 226 008  
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सिपेट/परीक्षण/2013 - 14/

दिनांक : .....

सेवा में,

To,  
M/s Swedish Oxo-Biodegradable Systems,  
503, Shankardham-F6 Wing,  
Sundervan Complex,  
Lokhandwala, Andheri (West),  
Mumbai-400 053

विषय : Testing of plastic bag samples-reg.

आपका पत्रांक : Nil

dated : 02.09.2013

महोदय,

कृपया हमारी परीक्षण रिपोर्ट क्रमांक 0858 प्रमाण पत्र क्रमांक B - 4954  
बीजक क्रमांक ...646..... दिनांक ..18.9.2013 प्राप्त करें।

सहयोग के लिए धन्यवाद,

भवदीय

संलग्नक : उपरोक्तानुसार

केन्द्र प्रमुख

सेन्द्रीय इन्स्टीट्यूट ऑफ प्लास्टिक्स  
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**TEST CERTIFICATE**



NO.

**B - 4954**

**Date: 18.09.2013**

**Issued to : M/s Swedish Oxo-Biodegradable Systems,  
503, Shankardham-F6 Wing,  
Sundervan Complex,  
Lokhandwala, Andheri (West),  
Mumbai-400 053**

**Your Ref.No. & Date: Nil**

**dated : 03.09.2013**

TEST REPORT AS PER STANDARD AND AMEND WITH DATE: As per Tier-1 of ASTM D 6954-04 standards.

TEST REPORT NO : 0858

Page 1 of 2

**PART - A :- PARTICULARS OF SAMPLE SUBMITTED**

a)	Name of the sample	:	<b>Plastic bags</b>
b)	Grade / Variety / type / size / class	:	---
c)	Declared value, if any &	:	---
d)	Code No.	:	---
e)	Batch No. & Date of Manufacture	:	---
f)	Quantity	:	<b>10 No.</b>
g)	Mode of Packing	:	<b>Packed in woven sack</b>
h)	Sealed or not	:	<b>Not sealed</b>
i)	Any other information	:	Payment received on 05.09.2013 & .....
j)	Date of receipt of sample	:	<b>05.09.2013</b>
k)	Date of completion of testing	:	<b>18.09.2013</b>

**PART - B :- SUPPLEMENTARY INFORMATIONS**

a)	Reference to sampling procedure	:	Not Applicable.
b)	Supporting document for the measurement taken & result derived	:	Not Applicable.
c)	Deviation from the test method as prescribed: in relevant work instructions, if any	:	Not Applicable.



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**PART - C:- TEST RESULTS**

**TEST REPORT No. 0858**

**Page 2 of 2**

S. No.	Name of the Test	Test Method	Units	Test value Obtained
1.	Tensile Strength (Before ageing)	ASTM D 638	mPa	11.35
2.	Elongation at break (Before Ageing)	--do--	%	2231.67
Accelerated QUV test is performed as per ASTM D 5208 at -UVA-340, Temp-60°C, Irradiance 0.5w/m <sup>2</sup> /nm				
3.	<b>Tensile strength (after ageing)</b>			
	(i) After 7½ Hours	ASTM D 638	mPa	5.68
	(ii) After 24 Hours			5.60
	(iii) After 31½ Hours			4.52
	(iv) After 48 Hours			4.13
	(v) After 55½ Hours			2.59
	(vi) After 72 Hours			2.53
	(vii) After 79½ Hours			1.81
	(viii) After 96½ Hours			0.60
4.	<b>Elongation at break (after ageing)</b>			
	(i) After 7½ Hours	ASTM D 638	%	100.8
	(ii) After 24 Hours			61.37
	(iii) After 31½ Hours			67.5
	(iv) After 48 Hours			36.97
	(v) After 55½ Hours			34.67
	(vi) After 72 Hours			63.33
	(vii) After 79½ Hours			32.70
	(viii) After 96½ Hours			46.67

**PART - D : REMARKS - NIL**

**AUTHORIZED SIGNATORY**

**NOTE:**

- The results relate only to the items tested as supplied by the party.
- The test certificate shall not be reproduced in full except without the written approval of the laboratory.

**CENTRE HEAD**



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Page 1 of 1

**INVOICE**

Invoice No. : CIPET/PTC/LKO/2013-14/646

Date : 18.09.2013

Customer Name: Swedish Oxo-Biodegradable Systems

Letter No. Dtd. 03.09.2013

Address : 503, Shankardham-F6 Wing, Sundervan Complex, Lokhandwala, Andheri(W) , Mumbai

PIN : 400 053

State : Maharashtra

Kind Attn. :

Sample Code No.

Standard As Per Requisition

Qty. : 1

Work Order No PTC/2013-2014/09-2013/0858 Dtd.  
05.09.2013

Test Report No. 0858 Dtd. 18.09.2013

Sl. No.	Cl. No.	Description of Test	Qty.	Test Charge	Specimen Charge	Amount
1		Tensile Strength (Before & after)	1	Rs.1,800.00	Rs.200.00	Rs.2,000.00
2		Weathering test	1	Rs.0.00	Rs.4,800.00	Rs.4,800.00
3		Tensile Strength - After UV Exposure	7	Rs.900.00	Rs.0.00	Rs.6,300.00

**Sample Details :**

Plastic bags biodegradable Qty 10 Nos.

Sub Total Amount : Rs.13,100.00

Discount 0% on Test Charges Only : Rs.0.00

Net Amount : Rs.13,100.00

Net Total Amount (Minimum Charges Limited to Rs.1000.00) Rounded off : Rs.13,100.00

Value of the Invoice has been Received Vide

Service Tax @ 12.36% : Rs.1,619.00

M.R.No. M.R.Date M.R.Amount

Service Charge : Rs.0.00

13340 03.09.2013 Rs.7,640.00

Grand Total Amount : Rs.14,719.00

Rs.7,079.00

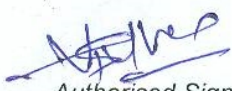
Rupees Fourteen Thousand Seven Hundreds Nineteen Only


Amount Paid : Rs.14,719.00

**Note:**

Amount Due : Rs.0.00

1. Payment to be made within a fortnight by cross Demand Draft Payable at Lucknow in favour of CIPET, Lucknow
2. While making Payment please quote our Invoice number and Test Report Number
3. Deduction in the Invoice if any should be supported by credit notes issued by us.
4. Bank Charges/Commissions may please be added to the Invoice Amount, while effecting payment
5. CIPET is exempted under section 10(22) of Income Tax Act. Hence No Tax at source is to be deducted
6. Double Charges are applicable for Top priority sample treated as 2 (two) Nos. samples.

  
Authorised Signatory

  
for Accounts Dept.