

COMPOST MANUFACTURING ALLIANCE



COMPOSTER APPROVED

# WHAT IS CMA?



## Third-Party Compostable Products Certification

Connecting the  
**Supply Chain**



to the  
**Compost Piles**



## Contaminants in compost are costly!

Compost manufacturers **must** be involved in understanding the products designed for their facilities.



# AFFILIATES

Are you a composter interested  
in becoming a CMA partner?



## CMA Commercially Accepted Items List & Partner Facilities

Use the map to find your closest CMA partner facility. To find what products are certified compostable by CMA and which technologies they are compostable in, view our website.

[www.compostmanufacturingalliance.com](http://www.compostmanufacturingalliance.com)

# CMA PROCESS TECHNOLOGIES

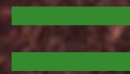
Windrow (CMA-W)

Covered In-Vessel (CMA-I)

Aerated Static Pile (CMA-A)



# THIRD PARTY CERTIFIER- COMPOSTABLE ASTM + FIELD DISINTEGRATION



ASTM D6400/D6868  
results review **OR**  
equivalent certification

Field Disintegration Test  
**OR** untreated paper  
and wood



Composter Approved and Certified for Compostability

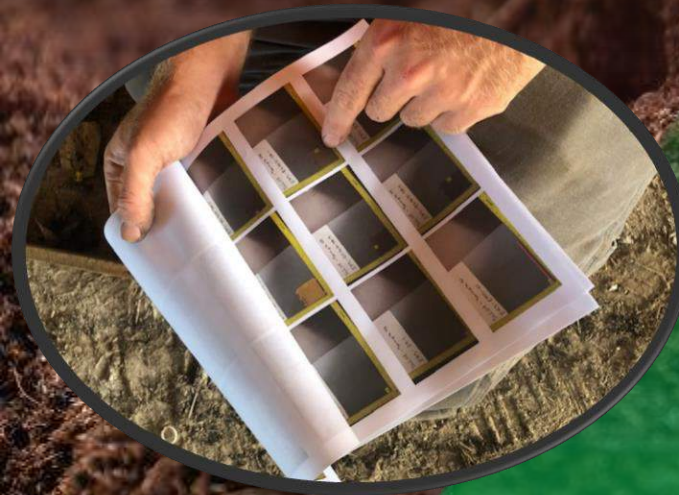
# TESTING PROCESS



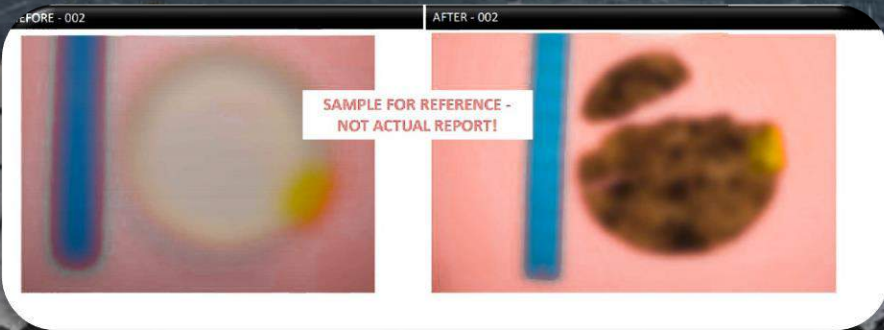
Visual data is recorded and logged

Samples are placed in nylon bags

80% Feedstock  
20% Products



# CMA TESTING CENTER



## Field Summary, Feedstock Analysis Results

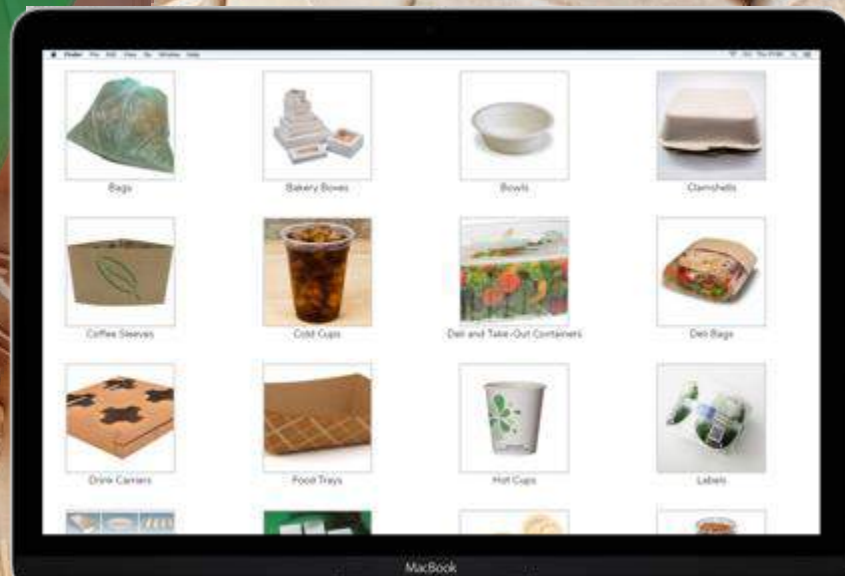


SAMPLE FOR REFERENCE - NOT ACTUAL REPORT!

| Bag     | Dry Weight Basis |      |        |      |       | Wet Wt. Basis |          |
|---------|------------------|------|--------|------|-------|---------------|----------|
|         | pH               | EC   | BD     | N    | TOC   | C:N           | Moisture |
| A       | 4.7              | 4.08 | 616    | 1.38 | 40.7  | 29            | 60       |
| B       | 4.8              | 5.26 | 604    | 1.45 | 42.9  | 30            | 65.9     |
| C       | 4.8              | 4.98 | 630    | 1.23 | 39.1  | 32            | 62.1     |
| D       | 5                | 4.89 | 714    | 1.47 | 39.6  | 27            | 63.1     |
| E       | 4.8              | 4.89 | 759    | 1.29 | 39.8  | 31            | 63.4     |
| F       | 4.5              | 4.61 | 789    | 1.29 | 40.6  | 31            | 64.1     |
| Average | 4.77             | 4.79 | 685.33 | 1.35 | 40.45 | 30            | 63.1     |



**Web-based Acceptance Lists**  
**(by process)** for FW/YW Programs:  
Products that **passed** field testing  
*and* have met ASTM pre-requisites  
for each process.



**WWW.COMPOSTERAPPROVED.COM**

# PLASTIC Sources in Compost Streams and Drivers



## Sorting confusion



## Culture of convenience



## Food TV shows



## Food Preservation Improvements





# “Look A-likes”

## CMA and BPI Certified Compostable



## Not Compostable

### Polyethylene Produce Bags



### Oxo-Biodegradables



**The piles tell the story....**



**The piles tell the story....**






**Washington State Organics  
Contamination Reduction  
Workgroup**

Report and Toolkit

June 2017

Collaborative work group  
publication in contamination

Go to WORC website  
<https://www.compostwashington.org/>

A wide-angle photograph of a university campus during cherry blossom season. The scene is filled with people walking along a central paved path and sitting on the green lawn. Pink cherry blossom trees line both sides of the path, and a large, historic brick building is visible in the background under a clear sky.

When compostables employed,  
90% of non-food fraction of stream  
is diverted from landfill to  
composting (single use foodservice  
packaging)

Study Site  
University of Washington Campus  
Seattle, Washington  
Funded by NatureWorks



# Telling the Story from the Pile Backwards

- Value of Feedstocks Study 2018
- Funded by Foodservice Packaging Institute and BPI

Take-away

Foodservice packaging has some carbon value to feedstock





# CONTACT US



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