



**CHPS High Performance Products Database**  
**Procedures and Standards for Product Inclusion**  
Version 2.0

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## Introduction

Welcome to the CHPS High Performance Products Database. This document will help you submit your products to the database and understand the requirements for each particular attribute for listing, and for credit in CHPS projects.

## Version 2.0 Updates

Version 2.0 of the *Procedures and Minimum Standards for Product Inclusion* has been reformatted and redeveloped to increase usability and detail policy changes to the Low-Emitting Materials attribute as a result of decisions made by the CHPS Indoor Environmental Quality and Database sub-committees of the CHPS Technical Committee in June 2012.

Each chapter has been reformatted to communicate the applicability of each attribute within the CHPS Criteria, as well as the documentation standards needed to both list in the CHPS Database and receive credit for CHPS projects.

## Listing Your Product

The Database is made up of companies that list their high performance products. These products can have any number of attribute listings associated with them. In order to list a product, that product must have at least one attribute. When you submit your product to the CHPS Database, you are requesting a review of your documentation, and a one-year listing of your product and at least one attribute. You may add or remove attributes at any time.

In order to ensure that your product is not removed at any time from the database, you must monitor your listing expiration date and your certificate expiration date. If a product or attribute listing expires, your product will be pulled from the database. If an attribute's certificate expires, your product will be pulled from the database. In both cases you will be notified, but if you do not take action, your products will be pulled automatically.

Each attribute and level of certification has a minimum set of standards particular to that attribute. You will need to ensure that the certificates and reports are constructed according to these standards. This document also provides some initial direction when trying to identify independent laboratories and third-party certifiers that are capable of certifying the product to the standards identified.

## How Products are Ranked in Search Results

The CHPS product database orders products according to the following ranking system:

1. Products that have undergone a life cycle assessment
2. Products that have been tested by an independent laboratory
3. Products that have been certified within a multi-attribute framework (such as NSF 140)
4. Products with third-party certified single attribute claims (such as certified organically grown)
5. Products with a self-certified single attribute claim (such as low-emitting materials)
6. Products that have no level of certification ("self-declared" attributes)

A single product can have more than one attribute. For example, a particular product can be considered a Low-Emitting Material and also have a certain percentage of recycled content. In this example, you would need to consult both the Low-Emitting Materials and Recycled Content

sections of this document to understand the minimum standards and the documentation required by CHPS to maintain these attributes.

Additionally, the product in question can be listed on the database under the Recycled Content section of the database without being third-party certified. However, the product will be ranked lower on the list if there are other products that have been third-party certified. It is up to you, as the manufacturer, to determine what level of “quality” your attributes will have and where your product ranks on the list. Any flags that appear next to your product listing are there to inform end-users of any potential environmental considerations or applicability to the CHPS Criteria regarding the product. These can be removed based on the level of certification that is met.

Products listed by CHPS member companies are ranked first, within the ranking system listed above. For more information about becoming a CHPS member, including information on member database listing discounts, visit: <http://www.chps.net/productmanufacturermembers>.

## Products Approved for Use in Low-Emitting Materials CHPS Prerequisites and Credits

Based on a July 2012 CHPS Criteria Interpretation from the CHPS Technical Committee, the following scenarios are acceptable for meeting the low-emitting materials credit EQ2.2 in CA-CHPS, the CA-CHPS 2011 Addendum for Cal Green prerequisite EQ2.0D, and low-emitting materials credits and prerequisites from other CHPS Criteria:

1. A product that is physically tested by an approved third-party, accredited Laboratory.
2. A product that is third-party certified by an approved third-party, accredited Certification Body.
3. A product that is not physically tested but is self-certified as compliant by the manufacturer based on third-party testing of a related, representative or worst-case product and for which the manufacturer has made a written emissions declaration using the CHPS Low-Emitting Materials Self-Certification form and signed by an authorized senior manager (e.g., environmental, quality, or operations manager).

The following scenario is NOT acceptable for meeting the aforementioned criteria and requirements:

1. A product that is self-declared with no third-party testing or certification referenced at all or is self-declared as compliant based on third-party testing of another product but for

### Approved for Use in Low-Emitting Materials CHPS Prerequisites and Credits

- **Laboratory Tested:** a product that is physically tested by an approved third-party, accredited Laboratory.
- **Third-Party Certified:** a product that is third-party certified by an approved third-party, accredited Certification Body.
- **Self-Certified (NEW):** a product that is not physically tested but is self-certified as compliant by the manufacturer based on third-party testing of a related, representative or worst-case product, and for which the manufacturer has made a written emissions declaration using the CHPS Low-Emitting Materials Self-Certification Form, signed by an authorized senior manager.

### Not Approved for Use in Low-Emitting Materials CHPS Prerequisites and Credits

- **Self-Declared:** a product that is self-declared with no third-party testing or certification referenced at all, or a product that is self-declared as compliant based on third-party testing of another product but for which there is no signed CHPS Low-Emitting Materials Self-Certification form.

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which there is no documentation and signed declaration regarding the extension of the claim to the product that are consistent with Sections 8.1, 8.3.1, and 8.7 of the Guidelines (shown below), and for which there is no signed CHPS Low-Emitting Materials Self-Certification form.

Self-declared products can be listed in the CHPS High Performance Product Database; however, they will be flagged with a caution flag indicating that they are not approved for use in CHPS low-emitting materials prerequisites and credits.

# High Performance Product Attributes

## 1. Low Emitting Materials

### a. Applicable Prerequisites and Credits

**Table 1: Low Emitting Materials Applicable Prerequisites and Credits**

Criteria	Credit Number	Page Number
California, 2009 Edition ( <a href="#">CA-CHPS</a> )	EQ 2.2	134
Colorado, 2009 Edition ( <a href="#">CO-CHPS</a> )	EQ2.0C EQ2.2	182
Hawaii, 2012 Edition ( <a href="#">HI-CHPS</a> )	Minimum - EQ.P8 Advanced - EQ.C4	Minimum - 68 Advanced - 80
Massachusetts, 2009 Edition ( <a href="#">MA-CHPS</a> )	Minimum - EQ.P10 Advanced - EQ.C3	Minimum - 50 Minimum - 58
Texas, 2009 Edition ( <a href="#">TX-CHPS</a> )	EQ2.2	132
Virginia, 2011 Edition ( <a href="#">VA-CHPS</a> )	EQ.P9	64
Prefabricated Classrooms, 2009 Edition ( <a href="#">CHPS PreFAB</a> )	EQ2.2	124

### b. Laboratory Testing

#### Required Documents

The manufacturer must provide electronic versions of the original lab certification letter and laboratory report that contain:

1. All of the required elements listed in Section 5 of the California Department of Public Health (CDPH) Standard Practice Version 1.1, also known as Section 01350 (CDPH Standard Practice) including but not limited to:
  - a. Dimensions and exposed area of tested material/product.
  - b. Chamber size and test conditions including the chamber flow rate
  - c. Measured chamber test iVOC concentrations including formaldehyde and other aldehydes.
  - d. Calculated emission factors for iVOCs and formaldehyde and other aldehydes.
  - e. Calculated classroom concentrations for iVOCs and formaldehyde and other aldehydes and a list of the parameters used in the calculations.
2. A copy of the chain of custody paperwork of the product tested
3. Signatures by persons from the laboratory accepting responsibility for the contents of the report.
4. Verification that the product meets the required classroom concentrations of the CDPH Standard Practice and reporting the calculated room concentrations of the 10 most abundant peaks.

#### Laboratory Testing Expiration Dates

A product's certificate and laboratory report are valid for a maximum of two years. Products with expired certificates will be removed from the CHPS Database. Laboratories shall include an expiration date of no longer than two years from the date the laboratory report was released to the client or as marked on the certificate itself. Products with expired certificates are required to have their products retested in order to remain on the CHPS Database. It is highly recommended

that manufacturers contact their selected laboratories in advance of the certificate's expiration date in order to avoid a discontinuity in the product listing.

### **Approved Laboratories**

The following laboratories are approved to conduct testing for the low-emitting attribute. These laboratories are listed for information only and are not endorsed or certified by CHPS. Other laboratories that are ISO 17025 Certified and capable of performing chamber testing (as outlined by the specification) can be used. Only laboratories approved by CHPS prior to testing may be used for product listings in the database.

- Berkeley Analytical Associates  
815 Harbour Way South, Suite 6, Richmond, CA 94804  
<http://www.berkeleyanalytical.com/>
- Eurofins Air Toxics, Inc.  
Product Testing NA  
180 Blue Ravine Road, Suite B, Folsom, CA 95630  
<http://www.airtoxics.com/producttesting/>
- Materials Analytical Services  
3945 Lakefield Court, Suwanee, GA 30024  
<http://www.mastest.com>
- UL Environment (formerly Air Quality Sciences, Inc.)  
2211 Newmarket Parkway, Suite 106, Marietta, GA 30067  
<http://www.ul.com/global/eng/pages/offerings/businesses/environment/request/index.jsp>

### **Approved Third-Party Certifiers**

The following are currently available 3<sup>rd</sup>-party certifiers of low-emitting material products:

- Carpet and Rug Institute  
Green Label Plus [www.carpet-rug.org/commercial-customers/green-building-and-the-environment/green-label-plus/index.cfm](http://www.carpet-rug.org/commercial-customers/green-building-and-the-environment/green-label-plus/index.cfm).
- Greenguard Environmental Institute  
GREENGUARD Product Emission Standard For Children & Schools  
[www.greenguard.org/Default.aspx?tabid=110](http://www.greenguard.org/Default.aspx?tabid=110)
- Scientific Certification Systems  
<http://www.scs-certified.com/gbc/floorscore.php>
- Indoor Advantage Gold  
[www.scs-certified.com/iaq/indooradvantage.html](http://www.scs-certified.com/iaq/indooradvantage.html)

## **c. Self-Certification**

### **Required Documentation**

The manufacturer must submit a digitally-signed CHPS Low-Emitting Materials Self-Certification form for each product it seeks to self-certify. The required worksheet is available here: <http://www.chps.net/dev/Drupal/self-certified-low-emitting-products>.

The Self-Certified claim must be based on a similar product that has undergone third-party testing. The tested product **must be listed** as lab-tested in the High Performance Product Database, and that product must have current documentation submitted as outlined above.

### **CHPS Review**

All self-certified claims must be based on third-party testing of a representative or worst-case product. The manufacturer must list the tested product on the CHPS database before or



concurrent with the self-certified product and comply with the Laboratory Testing requirements above. Any self-certified claim based on an unlisted or untested product will be denied.

After all of the required documentation is submitted, CHPS staff will review the worksheets and make a determination about whether or not to approve the self-certified claim. If the self-certified claim is denied, the product will be listed as self-declared. The manufacturer may request the product to be reconsidered for self-certified status by relisting the product as self-certified with the proper documentation.

### **Audit Requirements**

CHPS requires random auditing for self-certified products. The audit process is as follows:

1. The Participant will pay all costs associated with the audit, including an administration and review fee to CHPS of up to \$1000, and the testing and possible retesting of the product. Audit fees will be retained by CHPS as an administrative fee. Any unused audit fees will be returned to the Participant at the conclusion of audit processing, without interest. The Participant must remit payment to CHPS and to the laboratory, and provide the product sample to the laboratory, within 60 days of notice of the audit.
2. A total of 1/2 of the square root of the number of self-certified products in the database on July 1 rounded up to the nearest whole number per year will be audited. A single company may not be audited for more than two products per year. All contacts listed in the database will receive two e-mail notices of the audit and one phone call notice of the audit.
3. Failure to submit to the audit within 60 days of notice will result in all of the manufacturer's self-certified products (not just the audited products) to be pulled from the database for a period of two years. New self-certified products may not be added until an audit is completed.
4. If the self-certified product does not meet the requirements set out in the CDPH Standard Method V1.1(Section 01350), all of the products from the same family as the audited product will be removed from the database for a period of two years, and no new selfcertified products from that family will be accepted from the Participant. The Participant may perform a retest of that product within 30 days.
5. If the self-certified product does not meet the requirements set out in the CDPH Standard Method V1.1(Section 01350), the Participant will be required to complete an audit of a product from another group, and the same audit procedure as above will be followed. If the audit of the second group is also found not to meet the requirements of Section 01350 then ALL self-certified products from the Participant will be removed.

## **d. Listing Methods Not Applicable for CHPS Credit**

### **Self-Declaration**

Self-declared products may be listed in the CHPS database; however, these products are not approved for credit in CHPS projects. Self-declared products receive a "caution flag" indicating that the manufacturer has not certified their claim.

To list a self-declared product in the CHPS database:

1. Create a letter signed on company letterhead stating your company name, product name and claim.
2. Upload it to the CHPS database in the certificate section of the attribute page. No other documentation is required.

## **e. Additional Information**

- [CHPS Best Practices Manual: Design for High Performance Schools \(Volume II\): Interior Surfaces and Finishes Chapter](http://www.chps.net/dev/Drupal/node/31) <http://www.chps.net/dev/Drupal/node/31>
- CHPS website: Low Emitting Materials Self-Certification  
<http://www.chps.net/dev/Drupal/self-certified-low-emitting-products>
- California Department of Public Health (CDPH) Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1-2010 (also known as Section 01350)  
<http://www.cal-iaq.org/separator/voc/standard-method>

## 2. Recycled Content

### a. Applicable Prerequisites and Credits

**Table 2: Recycled Content Applicable Prerequisites and Credits**

Criteria	Credit Number	Page Number
California, 2009 Edition ( <a href="#">CA-CHPS</a> )	ME4.1	98
Colorado, 2009 Edition ( <a href="#">CO-CHPS</a> )	ME4.1	134
Hawaii, 2012 Edition ( <a href="#">HI-CHPS</a> )	MW.C2	187
Massachusetts, 2009 Edition ( <a href="#">MA-CHPS</a> )	MW.C2	147
New York, Version 1.1 ( <a href="#">NY-CHPS</a> )	4.3.2	69
The Northeast, Version 2.0 ( <a href="#">NE-CHPS</a> )	M EC 4 (A or B)	104
Texas, 2009 Edition ( <a href="#">TX-CHPS</a> )	ME4.1	98
Virginia, 2011 Edition ( <a href="#">VA-CHPS</a> )	MW.C2	174
Washington, 2012 Edition ( <a href="#">WA-CHPS</a> )	M2.1	41
Relocatable Classrooms, 2009 Edition ( <a href="#">CHPS Prefab</a> )	ME4.1	106

### b. Third Party Certification

#### Required Documents

The manufacturer must provide:

1. Electronic versions of the original certificate and report from an approved third-party certifier demonstrating the accuracy of the manufacturer's recycled content claim.
2. The report must be signed by persons from the certification body accepting responsibility for the contents of the report.

#### Approved Third-Party Certifiers

The certification body must perform all of the following:

1. Able to illustrate compliance with the criteria for recycled content materials for building products as specified in the CHPS recycled content credits.
2. Able to illustrate compliance with ISO Type 1 (14024) and Type 2 (14021) environmental labeling and declaration requirements and using ASTM E2129.
3. Able to illustrate compliance with the Federal Trade Commission (FTC) Guides for the Use of Environmental Marketing Claims:  
[http://www.ftc.gov/bcp/edu/microsites/energy/about\\_guides.shtml](http://www.ftc.gov/bcp/edu/microsites/energy/about_guides.shtml)
4. Execute audit processes and quality assurance elements that provide confidence of continuing conformance.

The following third-party certifiers are approved to conduct certification for the recycled content attribute. These certifiers are listed for information only and are not endorsed or certified by CHPS. Other certifiers that meet the specifications above can be used. Only certifiers approved by CHPS prior to testing may be used for product listings in the database.

- NSF International  
 789 North Dixboro Road, Ann Arbor, MI USA 48105  
<http://www.nsf.org/>

- Scientific Certification Systems (SCS)  
2200 Powell Street, Suite 725, Emeryville, California 94608  
<http://www.scscertified.com>
- Underwriters Laboratories, Inc.  
333 Pfingsten Rd. Northbrook, IL 60062  
<http://www.ulenvironment.com>

### **c. Self-Declaration**

1. Download the CHPS Recycled Content Certification Form from the CHPS Website.
2. Fill in all pertinent information including product name, % of recycled content, etc.
3. Signature from an official representative of the company is required along with the date.  
This form states that the product submitted will be representative of other like products manufactured for future retail and wholesale distribution. Any formulary change will require a new form to be submitted for the product.

### **d. Additional Information**

- GS-43 Green Seal Environmental Standard for Recycled-Content Latex Paint
- ASTM D5663 - 97(2003) Standard Guide for Validating Recycled Content in Packaging Paper and Paperboard
- CHPS Best Practices Manual, Volume II: Interior Surfaces and Finishes  
Chapter: <http://www.chps.net/dev/Drupal/node/31>
- LEED™-NC 2.2 Reference Guide: Materials Credit 4: Recycled Content.
- California Integrated Waste Management Board (CIWMB) Recycled Content Products Directory: [www.ciwmb.ca.gov/rcp](http://www.ciwmb.ca.gov/rcp).
- State Agency Buy Recycled Campaign (SABRC) at  
[www.ciwmb.ca.gov/BuyRecycled/StateAgency/](http://www.ciwmb.ca.gov/BuyRecycled/StateAgency/).
- The California Integrated Waste Management Board (CIWMB) Recycled-content Products Database allows you to search for a recycled-content product by product/brand name, company, or keyword. Each product in the database has information on the total recycled content as well as the post-consumer recycled content.
- US EPA's Comprehensive Procurement Guideline (CPG) Program: [www.epa.gov/cpg](http://www.epa.gov/cpg).
- CA Department of Toxic Substance Control TCLP and WET:  
[http://ccelearn.csus.edu/waste/class/mod6/mod6\\_05.html](http://ccelearn.csus.edu/waste/class/mod6/mod6_05.html)
- CA Department of Toxic Substance Control WET Procedures:  
[http://www.dtsc.ca.gov/LawsRegsPolicies/Title22/upload/OEARA\\_REG\\_Title22\\_Ch11\\_Appl.pdf](http://www.dtsc.ca.gov/LawsRegsPolicies/Title22/upload/OEARA_REG_Title22_Ch11_Appl.pdf)

### 3. Rapidly Renewable

#### a. Applicable Prerequisites and Credits

**Table 3: Rapidly Renewable Applicable Prerequisites and Credits**

Criteria	Credit Number	Page Number
California, 2009 Edition ( <a href="#">CA-CHPS</a> )	ME4.2	101
Colorado, 2009 Edition ( <a href="#">CO-CHPS</a> )	ME4.2	137
Hawaii, 2012 Edition ( <a href="#">HI-CHPS</a> )	MW.C3	192
Massachusetts, 2009 Edition ( <a href="#">MA-CHPS</a> )	MW.C3	152
New York, Version 1.1 ( <a href="#">NY-CHPS</a> )	4.3.2	69
The Northeast, Version 2.0 ( <a href="#">NE-CHPS</a> )	M EC 5	106
Texas, 2009 Edition ( <a href="#">TX-CHPS</a> )	ME4.2	101
Virginia, 2011 Edition ( <a href="#">VA-CHPS</a> )	MW.C3	179
Washington, 2012 Edition ( <a href="#">WA-CHPS</a> )	M2.2	43
Relocatable Classrooms, 2009 Edition ( <a href="#">CHPS Prefab</a> )	ME4.2	107

#### b. Third Party Certification

##### Required Documents

The manufacturer must provide:

1. Electronic versions of the original certificate and report to the manufacturer demonstrating the accuracy of the manufacturer's claim.
2. The report must have a copy of the chain of custody paper work of the product tested.
3. The report must be signed by persons from the certification body accepting responsibility for the contents of the report.

##### Approved Third-Party Certifiers

The certification body must perform all of the following:

1. Able to illustrate compliance with the criteria for rapidly renewable materials for building products as specified in the CHPS ME 4.2
2. Able to illustrate compliance with ISO Type 1 (14024) and Type 2 (14021) environmental labeling and declaration requirements and using ASTM E2129.
3. Able to illustrate compliance with the Federal Trade Commission (FTC) Guides for the Use of Environmental Marketing Claims:  
[http://www.ftc.gov/bcp/edu/microsites/energy/about\\_guides.shtml](http://www.ftc.gov/bcp/edu/microsites/energy/about_guides.shtml)
4. Execute audit processes and quality assurance elements that provide confidence of continuing conformance.

The following third-party certifiers are approved to conduct certification for the rapidly renewable attribute. These certifiers are listed for information only and are not endorsed or certified by CHPS. Other certifiers that meet the specifications above can be used. Only certifiers approved by CHPS prior to testing may be used for product listings in the database.

- Underwriters Laboratories, Inc.  
 333 Pfingsten Rd. Northbrook, IL 60062  
<http://www.ulenvironment.com>

### **c. Additional Information**

- CHPS Best Practices Manual: Design for High Performance Schools (Volume II): Interior Surfaces and Finishes Chapter. <http://www.chps.net/dev/Drupal/node/31>
- LEED™-NC 2.2 Reference Guide: Materials Credit 6: Renewable Materials.
- LEED™-NC 2.2 Reference Guide: Materials Credit 7: Renewable Materials - Certified Environmentally Responsible Management.
- ISEAL Member certifying organizations: <http://www.isealalliance.org/our-members>
- National Organic Program: [www.Ams.usda.gov/nop/indexIE.htm](http://www.Ams.usda.gov/nop/indexIE.htm).
- The International Federation of Organic Agriculture Movements (IFOAM) Organic Guarantee System can be found at: [www.ifoam.org/about\\_ifoam/standards/ogs.html](http://www.ifoam.org/about_ifoam/standards/ogs.html).
- USDA Accredited Certifying Agents:  
[www.ams.usda.gov/nop/certifyingagents/accredited.html](http://www.ams.usda.gov/nop/certifyingagents/accredited.html).

## 4. Organically Grown

### a. Applicable Prerequisites and Credits

**Table 4: Organically Grown Applicable Prerequisites and Credits**

Criteria	Credit Number	Page Number
California, 2009 Edition ( <a href="#">CA-CHPS</a> )	ME4.2	101
Colorado, 2009 Edition ( <a href="#">CO-CHPS</a> )	ME4.2	137
Hawaii, 2012 Edition ( <a href="#">HI-CHPS</a> )	MW.C3	192
Massachusetts, 2009 Edition ( <a href="#">MA-CHPS</a> )	MW.C3	152
New York, Version 1.1 ( <a href="#">NY-CHPS</a> )	n/a	n/a
The Northeast, Version 2.0 ( <a href="#">NE-CHPS</a> )	n/a	n/a
Texas, 2009 Edition ( <a href="#">TX-CHPS</a> )	ME4.2	101
Virginia, 2011 Edition ( <a href="#">VA-CHPS</a> )	MW.C3	179
Washington, 2012 Edition ( <a href="#">WA-CHPS</a> )	n/a	n/a
Relocatable Classrooms, 2009 Edition ( <a href="#">CHPS Prefab</a> )	ME4.2	107

### b. Third Party Certification

#### Required Documents

The manufacturer must provide:

1. Electronic versions of the original certificate and report to the manufacturer demonstrating the accuracy of the manufacturer's claim.
2. The report must have a copy of the chain of custody work of the product tested.
3. The report must be signed by persons from the certification body accepting responsibility for the contents of the report.

#### Approved Third-Party Certifiers

The following third-party certifiers are approved to conduct certification for the organically grown attribute. These certifiers are listed for information only and are not endorsed or certified by CHPS. Other certifiers that meet the specifications above can be used. Only certifiers approved by CHPS prior to testing may be used for product listings in the database.

1. Agricultural Services Certified Organic - California
2. California Crop Improvement Association - California
3. California Organic Farmers Association - California
4. CCOF Certification Services- California
5. Global Culture - California
6. Guaranteed Organic Certification Agency - California
7. Marin County - California
8. Monterey County Certified Organic - California
9. Scientific Certification Systems d/b/a NutriClean - California
10. Organic Certifiers, Inc) - California
11. Primuslabs.com - California
12. Quality Assurance International - California
13. Yolo County Department of Agriculture - California
14. Colorado Department of Agriculture - Colorado

15. Quality Certification Services - Florida
16. Georgia Crop Improvement Association, Inc - Georgia
17. Hawaii Organic Farmers Association - Hawaii
18. Idaho State Department of Agriculture - Idaho
19. Organic National and International Certifiers (ON&IC) - Illinois
20. Indiana Certified Organic - Indiana
21. Certified Organic, Inc. - Iowa
22. Iowa Department of Agriculture - Iowa
23. Maharishi Vedic Organic Agriculture Institute - Iowa
24. Kentucky Department of Agriculture - Kentucky
25. Louisiana Department of Agriculture and Forestry- Louisiana
26. MOFGA Certification Services, LLC - Maine
27. Maryland Department of Agriculture - Maryland
28. Baystate Organic Certifiers - Massachusetts
29. Minnesota Crop Improvement Association - Minnesota
30. Mississippi Department of Agriculture and Commerce - Mississippi
31. Montana Department of Agriculture - Montana
32. OneCert - Nebraska
33. Organic Crop Improvement Association - Nebraska
34. Nevada State Department of Agriculture - Nevada
35. New Hampshire Dept of Agriculture, Division of Regulatory - New Hampshire
36. New Jersey Department of Agriculture - New Jersey
37. New Mexico Organic Commodity Commission - New Mexico
38. NOFA—New York, LLC - New York
39. Natural Food Certifiers - New York
40. North Carolina Crop Improvement Association - North Carolina
41. International Certification Services, Inc. - North Dakota
42. Global Organic Alliance, Inc.- Ohio
43. Ohio Ecological Food and Farm Association - Ohio
44. Oklahoma Department of Agriculture - Oklahoma
45. Oregon Tilth - Oregon
46. Stellar Certification Services, Inc. - Oregon
47. Pennsylvania Certified Organic - Pennsylvania
48. Rhode Island Dept.of Environmental Management - Rhode Island
49. Department of Plant Industry - South Carolina
50. Texas Department of Agriculture - Texas
51. Utah Department of Agriculture - Utah
52. Vermont Organic Farmers, LLC - Vermont
53. Washington State Department of Agriculture - Washington
54. Midwest Organic Services Association, Inc - Wisconsin
55. Nature's International Certification Services - Wisconsin

### **c. Additional Information**

- CHPS Best Practices Manual: Design for High Performance Schools (Volume II): Interior Surfaces and Finishes Chapter. <http://www.chps.net/dev/Drupal/node/31>
- LEED™-NC 2.2 Reference Guide: Materials Credit 6: Renewable Materials.
- LEED™-NC 2.2 Reference Guide: Materials Credit 7: Renewable Materials - Certified Environmentally Responsible Management.
- ISEAL Member certifying organizations: <http://www.isealalliance.org/our-members>
- National Organic Program: <http://www.ams.usda.gov/AMSV1.0/nop>



- The International Federation of Organic Agriculture Movements (IFOAM) Organic Guarantee System can be found at:  
[http://www.ifoam.org/about\\_ifoam/standards/ogs.html](http://www.ifoam.org/about_ifoam/standards/ogs.html).
- USDA Accredited Certifying Agents:  
<http://www.ams.usda.gov/nop/certifyingagents/accredited.html>
- Procedure for Verification of Organic Claims: Certification through NOP:  
The U.S. Department of Agriculture (USDA) accredits State, private and foreign organizations or persons to become "certifying agents." Certifying agents certify that organic production and handling practices meet the national standards.

*Who needs to be certified?*

Operations or portions of operations that produce or handle agricultural products that are intended to be sold, labeled, or represented as "100 percent organic," "organic," or "made with organic ingredients" or food group(s).

*Who does NOT need to be certified?*

Producers and handling (processing) operations that sell less than \$5,000 a year in organic agricultural products. Although exempt from certification, these producers and handlers must abide by the national standards for organic products and may label their products as organic. Handlers, including final retailers, that:

- Do not process or repackage products
- Only handle products with less than 70 percent organic ingredients;
- Process or prepare, on the premises of the establishment, raw and ready-to-eat food labeled organic
- Choose to use the word organic only on the information panel; and
- Handle products that are packaged or otherwise enclosed in a container prior to being received by the operation and remain in the same package.

*How do farmers and handlers become certified?*

An applicant must submit specific information to an accredited certifying agent. Information must include:

- The type of operation to be certified;
- A history of substances applied to land for the previous 3 years;
- The organic products being grown, raised, or processed;
- The organic system plan (OSP) – a plan describing practices and substances used in production. The OSP also must describe monitoring practices to be performed to verify that the plan is effectively implemented, a record-keeping system, and practices to prevent commingling of organic and nonorganic products and to prevent contact of products with prohibited substances.

Applicants for certification must keep accurate post-certification records for 5 years concerning the production, harvesting, and handling of agricultural products that are to be sold as organic. These records must document that the operation is in compliance with the regulations and verify the information provided to the certifying agent. Access to these records must be provided to authorized representatives of USDA, including the certifying agent.

*Inspection and certification process*

Certifying agents review applications for certification eligibility. A qualified inspector conducts an on-site inspection of the applicant's operation. Inspections are scheduled when the inspector can observe the practices used to produce or handle organic products and talk to someone knowledgeable about the operation. The certifying agent reviews the information submitted by the applicant

and the inspector's report. If this information demonstrates that the applicant is complying with the relevant standards and requirements, the certifying agent grants certification and issues a certificate. Certification remains in effect until terminated, either voluntarily or through the enforcement process. Annual inspections are conducted of each certified operation, and updates of information are provided annually to the certifying agent in advance of conducting these inspections. Certifying agents must be notified by a producer or handler immediately of any changes affecting an operation's compliance with the regulations, such as application of a prohibited pesticide to a field.

*Compliance review and enforcement measures*

The regulations permit USDA or the certifying agent to conduct unannounced inspections at any time to adequately enforce the regulations. Certifying agents and USDA may also conduct pre- or postharvest testing if there is reason to believe that an agricultural input or product has come into contact with a prohibited substance or been produced using an excluded method.

## 5. Certified Wood

### a. Applicable Prerequisites and Credits

**Table 5: Certified Wood Applicable Prerequisites and Credits**

Criteria	Credit Number	Page Number
California, 2009 Edition ( <a href="#">CA-CHPS</a> )	ME4.3	104
Colorado, 2009 Edition ( <a href="#">CO-CHPS</a> )	n/a	n/a
Hawaii, 2012 Edition ( <a href="#">HI-CHPS</a> )	MW.C4	195
Massachusetts, 2009 Edition ( <a href="#">MA-CHPS</a> )	MW.C4	155
New York, Version 1.1 ( <a href="#">NY-CHPS</a> )	4.3.2	69
The Northeast, Version 2.0 ( <a href="#">NE-CHPS</a> )	M EC 6	106
Texas, 2009 Edition ( <a href="#">TX-CHPS</a> )	ME4.3	104
Virginia, 2011 Edition ( <a href="#">VA-CHPS</a> )	MW.C4	182
Washington, 2012 Edition ( <a href="#">WA-CHPS</a> )	M2.3	44
Relocatable Classrooms, 2009 Edition ( <a href="#">CHPS Prefab</a> )	ME4.3	108

### b. Third Party Certification

#### Required Documents

The manufacturer must provide:

1. Electronic versions of the original certificate and report to the manufacturer demonstrating the accuracy of the manufacturer's claim.
2. A FSC Chain of Custody Certificate (CoC) is necessary for any operation or manufacturer making, changing, trading, re-labeling or repackaging FSC-certified products.
3. FSC Mixed Sources' label allows manufacturing companies to mix FSC-certified material with non-certified material. FSC Controlled Wood must be independently verified before it is mixed with FSC certified material to become part of a product that can be sold carrying the FSC label. Contact FSC or a certification body for more information.
4. The report must be signed by persons from the certification body accepting responsibility for the contents of the report.

#### Approved Third-Party Certifiers

The following third-party certifiers are approved to conduct certification for the certified wood attribute. The certification bodies are listed for information only and are not endorsed or certified by CHPS. It is important to consult the FSC website for the most current list. For a complete list of international and domestic certifiers, visit: <http://www.fsc.org/>

- Bureau Veritas Certification  
[http://www.bureauveritas.com/wps/wcm/connect/bv\\_com/group/services%20sheet/fsc-certification\\_2868](http://www.bureauveritas.com/wps/wcm/connect/bv_com/group/services%20sheet/fsc-certification_2868)
- Scientific Certification Systems, Inc.  
 2200 Powell St., Suite 725, Emeryville, CA 94608  
<http://www.scscertified.com>
- SGS Systems & Services Certification USA  
 201 Route 17 North, Rutherford, NJ 07070  
[http://www.us.sgs.com/forestry\\_us](http://www.us.sgs.com/forestry_us)

- Smartwood Program - Rainforest Alliance  
665 Broadway, Suite 500 New York, NY 10012  
<http://www.rainforest-alliance.org/forestry/certification?gclid=CLCnIs6en7ECFSQbQgodERU6Ww>

### **c. Additional Information**

- CHPS Best Practices Manual: Design for High Performance Schools (Volume II): Interior Surfaces and Finishes Chapter. <http://www.chps.net/dev/Drupal/node/31>
- Forest Stewardship Council (FSC): [www.fsc.org](http://www.fsc.org).

## 6. Mercury Reduction

### a. Applicable Prerequisites and Credits

**Table 6: Mercury Reduction Applicable Prerequisites and Credits**

Criteria	Credit Number	Page Number
California, 2009 Edition ( <a href="#">CA-CHPS</a> )	EQ2.7	145
Colorado, 2009 Edition ( <a href="#">CO-CHPS</a> )	EQ2.7	195
Hawaii, 2012 Edition ( <a href="#">HI-CHPS</a> )	n/a	n/a
Massachusetts, 2009 Edition ( <a href="#">MA-CHPS</a> )	n/a	n/a
New York, Version 1.1 ( <a href="#">NY-CHPS</a> )	n/a	n/a
The Northeast, Version 2.0 ( <a href="#">NE-CHPS</a> )	n/a	51
Texas, 2009 Edition ( <a href="#">TX-CHPS</a> )	EQ2.3	138
Virginia, 2011 Edition ( <a href="#">VA-CHPS</a> )	n/a	n/a
Washington, 2012 Edition ( <a href="#">WA-CHPS</a> )	n/a	n/a
Relocatable Classrooms, 2009 Edition ( <a href="#">CHPS Prefab</a> )	EQ2.7	133

### b. Third Party Certification

#### Required Documents

The manufacturer must provide:

1. Electronic versions of the original certificate and report to the manufacturer demonstrating the accuracy of the manufacturer's claim.
2. The report must have a copy of the chain of custody paper work of the product tested.
3. The report must be signed by persons from the certification body accepting responsibility for the contents of the report.
4. Products with levels of mercury greater than the thresholds listed in table under EQ2.4.2 will not be allowed in the CHPS database.

#### Approved Third-Party Certifiers

The certification body must perform all of the following:

1. Able to illustrate compliance with the criteria for rapidly renewable materials for building products as specified in the CHPS ME 4.2
2. Able to illustrate compliance with ISO Type 1 (14024) and Type 2 (14021) environmental labeling and declaration requirements and using ASTM E2129.
3. Able to illustrate compliance with the Federal Trade Commission (FTC) Guides for the Use of Environmental Marketing Claims:  
[http://www.ftc.gov/bcp/edu/microsites/energy/about\\_guides.shtml](http://www.ftc.gov/bcp/edu/microsites/energy/about_guides.shtml)
4. Execute audit processes and quality assurance elements that provide confidence of continuing conformance.

The following third-party certifiers are approved to conduct certification for the mercury reduction attribute. These certifiers are listed for information only and are not endorsed or certified by CHPS. Other certifiers that meet the specifications above can be used. Only certifiers approved by CHPS prior to testing may be used for product listings in the database.

- NSF International  
789 North Dixboro Road, Ann Arbor, MI USA 48105  
<http://www.nsf.org/>
- Scientific Certification Systems (SCS)  
2200 Powell Street, Suite 725, Emeryville, California 94608  
<http://www.scscertified.com>
- Underwriters Laboratories, Inc.  
333 Pfingsten Rd. Northbrook, IL 60062  
<http://www.ulenvironment.com>

### **c. Self-Declaration**

- a. Download the ENERGY STAR Compact Fluorescent Light Bulb QUALIFICATION FORM: FULL QUALIFICATION ([https://www.energystar.gov/ia/products/commercial\\_food\\_service/comm\\_ice\\_machines/Ice\\_Machine\\_qpi\\_form.pdf](https://www.energystar.gov/ia/products/commercial_food_service/comm_ice_machines/Ice_Machine_qpi_form.pdf)) and the CHPS Material Content Certification Form from the CHPS website.
- b. Fill in all pertinent information including product name, level of mercury, etc.
- c. Signature from an official representative of the company is required along with the date on both forms. The CHPS form states that the product submitted will be representative of other like products manufactured for future retail and wholesale distribution. Any formulary change will require a new form to be submitted for the product.
- d. Products with levels of mercury greater than the thresholds listed in table under EQ2.4.2 will not be allowed in the CHPS database.

### **d. Additional Information**

- Minnesota Technical Assistance Program Mercury Page  
<http://mntap.umn.edu/health/mercury.htm>
- NY Academy of Science “What You Should Know about the Health Risks of Mercury.”  
[http://www.gghc.org/documents/Version2.2/12-GGHC-Ops-08Rev-Launch\\_EPP\\_clean.pdf](http://www.gghc.org/documents/Version2.2/12-GGHC-Ops-08Rev-Launch_EPP_clean.pdf) The report discusses major sources of mercury and methylmercury to the Harbor (and health care’s role).
- U.S. EPA Mercury page and Mercury Study Report to Congress,  
<http://www.epa.gov/mercury/report.htm>
- Green Guide for Health Care <http://www.gghc.org/>
- Potential Certification Standards:
  - GS-05: Environmental Standard for Energy Efficient Lighting - Compact Fluorescent Lights
  - The ENERGY STAR Compact Fluorescent Light Certification Form can be downloaded here:  
[https://www.energystar.gov/ia/products/commercial\\_food\\_service/comm\\_ice\\_machines/Ice\\_Machine\\_qpi\\_form.pdf](https://www.energystar.gov/ia/products/commercial_food_service/comm_ice_machines/Ice_Machine_qpi_form.pdf)

## 7. ANSI/NSF 140 Platinum for Carpet and/or ANSI/NSF 332 for Resilient Flooring

### a. Applicable Prerequisites and Credits

**Table 7: ANSI/NSF 140 Platinum for Carpet and/or ANSI/NSF 332 for Resilient Flooring Applicable Prerequisites and Credits**

Criteria	Credit Number	Page Number
California, 2009 Edition ( <a href="#">CA-CHPS</a> )	ME5.1	107
Colorado, 2009 Edition ( <a href="#">CO-CHPS</a> )	ME5.1	147
Hawaii, 2012 Edition ( <a href="#">HI-CHPS</a> )	n/a	n/a
Massachusetts, 2009 Edition ( <a href="#">MA-CHPS</a> )	n/a	n/a
New York, Version 1.1 ( <a href="#">NY-CHPS</a> )	n/a	n/a
The Northeast, Version 2.0 ( <a href="#">NE-CHPS</a> )	n/a	n/a
Texas, 2009 Edition ( <a href="#">TX-CHPS</a> )	ME5.1	108
Virginia, 2011 Edition ( <a href="#">VA-CHPS</a> )	n/a	n/a
Washington, 2012 Edition ( <a href="#">WA-CHPS</a> )	M2.4	45
Relocatable Classrooms, 2009 Edition ( <a href="#">CHPS Prefab</a> )	ME5.1.2	109

### b. Third Party Certification

#### Required Documents

The manufacturer must provide:

1. Electronic versions of the original certificate and report to the manufacturer demonstrating the accuracy of the manufacturer's claim.
2. The report must have a copy of the log of audits and schedule of future of audits.
3. The report must be signed by persons from the certification body accepting responsibility for the contents of the report.

#### Approved Third-Party Certifiers

The certification body must perform all of the following:

1. Able to illustrate compliance of product with criteria as specified in ME5.1
2. Able to illustrate compliance with NSF 140 and/or 332.
3. ISO 14025 Type III Environmental Declarations and/or ISO 21930 Environmental Declarations of Building Products
4. Able to illustrate compliance with the Federal Trade Commission (FTC) Guides for the Use of Environmental Marketing Claims:  
[http://www.ftc.gov/bcp/edu/microsites/energy/about\\_guides.shtml](http://www.ftc.gov/bcp/edu/microsites/energy/about_guides.shtml)
5. Execute audit processes and quality assurance elements that provide confidence of continuing conformance.

The following third-party certifiers are approved to conduct certification for the ANSI/NSF 140 Platinum for Carpet and/or ANSI/NSF 332 for Resilient Flooring attribute. These certifiers are listed for information only and are not endorsed or certified by CHPS. Other certifiers that meet the specifications above can be used. Only certifiers approved by CHPS prior to testing may be used for product listings in the database.

**CHPS High Performance Products Database**  
Procedures and Standards for Product Inclusion  
Version 2.0

- NSF International  
789 North Dixboro Road, Ann Arbor, MI USA 48105  
<http://www.nsf.org/>
- Scientific Certification Systems (SCS)  
2200 Powell Street, Suite 725, Emeryville, California 94608  
<http://www.scscertified.com>
- Underwriters Laboratories, Inc.  
333 Pfingsten Rd. Northbrook, IL 60062  
<http://www.ulenvironment.com>



## 8. BIFMA X7.1

### a. Applicable Prerequisites and Credits

**Table 8: BIFMA X7.1 Applicable Prerequisites and Credits**

Criteria	Credit Number	Page Number
California, 2009 Edition ( <a href="#">CA-CHPS</a> )	EQ2.2.5	137
Colorado, 2009 Edition ( <a href="#">CO-CHPS</a> )	EQ2.2.4	184
Hawaii, 2012 Edition ( <a href="#">HI-CHPS</a> )	EQ.C4.3	82
Massachusetts, 2009 Edition ( <a href="#">MA-CHPS</a> )	EQ.C3.4	60
New York, Version 1.1 ( <a href="#">NY-CHPS</a> )	n/a	n/a
The Northeast, Version 2.0 ( <a href="#">NE-CHPS</a> )	n/a	n/a
Texas, 2009 Edition ( <a href="#">TX-CHPS</a> )	EQ2.2.5	135
Virginia, 2011 Edition ( <a href="#">VA-CHPS</a> )	EQ.C4.4	79
Washington, 2012 Edition ( <a href="#">WA-CHPS</a> )	n/a	n/a
Relocatable Classrooms, 2009 Edition ( <a href="#">CHPS Prefab</a> )	EQ2.2.5	127

### b. Laboratory Testing

#### Required Documents

The manufacturer must provide electronic versions of the original lab certification letter and laboratory report that contain:

1. Once tested, the lab will provide a certification letter and lab report indicating if the product meets the BIFMA standard.
2. The electronically accessible Laboratory Report must have a copy of the chain of custody paper work of the product tested.
3. The electronically accessible Laboratory Report must be signed by persons from the laboratory accepting responsibility for the contents of the report.
4. Submit laboratory data to CHPS that show that the product meets the modeling parameters and VOC emission guideline requirements for administrative area and teacher workstations and seating and classroom pupil workstations and seating per Table 13 of EQ 2.3.5:

	Admin Area & Teacher		Classroom Pupil	
Modeling Parameters	Workstn	Seating	Workstn	Seating
Number of units	1	1	27 <sup>a</sup>	27 <sup>a</sup>
Air Flow rate, m <sup>3</sup> /h	15.01 <sup>b</sup>	24.84 <sup>b</sup>	187 <sup>c</sup>	187 <sup>c</sup>
Total workstation area, m <sup>2</sup>	21.75 <sup>d</sup>	n/a <sup>e</sup>	n/a <sup>e</sup>	n/a <sup>e</sup>
<b>VOC Emission Guidelines</b>				
Must meet ANSI/BIFMA X7.1	Yes	Yes	Yes	Yes
Must meet CDPH Std Practice guidelines	Yes	Yes, ¼ CREL <sup>f</sup>	Yes	Yes

#### Laboratory Testing Expiration Dates

A product's certificate and laboratory report are valid for a maximum of two years. Products with expired certificates will be removed from the CHPS Database. Laboratories shall include an expiration date of no longer than two years from the date the laboratory report was released to the client or as marked on the certificate itself. Products with expired certificates are required to

have their products retested in order to remain on the CHPS Database. It is highly recommended that manufacturers contact their selected laboratories in advance of the certificate's expiration date in order to avoid a discontinuity in the product listing.

### **Approved Laboratories**

The following laboratories are approved to conduct testing for the BIFMA low-emitting attribute. It is important to consult the BIFMA website for the most current list of certifiers before you begin. For a current and complete list of international and domestic certifiers, visit:  
<http://www.bifma.org/standards/testlabs.html>

- Air Quality Sciences, Inc.  
2211 Newmarket Parkway, Atlanta, GA 30067  
<http://www.aqs.com/>
- Berkeley Analytical Associates  
815 Harbour Way South, Suite 6, Richmond, CA 94804  
<http://www.berkeleyanalytical.com/>
- Eurofins Product Testing A/S  
Smedeskovvej 38, DK-8464 Galten  
<http://www.eurofins.dk>
- Forintek Services  
319, rue Franquet, Quebec, QC, Canada B1P 4R4  
<http://www.fpinnovations.ca>
- Materials Analytical Services, Inc.  
3945 Lakefield Court, Suwanee, GA 30024  
<http://www.mastest.com>
- SGS-CSTC Standards Technical Services Co. LTD.  
Guangzhou Branch, 1F, 198 Kezhu Road, Sciencetech Park. Guangzhou Economic & Technological Development District, Guangzhou, Guangdong, China 510663
- SGS-CSTC Standards Technical Services Co. LTD.  
Shanghai Branch, 7F, 3rd Building No. 889, Yishan Road Xuhui District, Shanghai, China 200233
- SGS Hong Kong LTD.  
5/F-8/F&28/F, Metropole Square, 2 On Yiu Street, Siu Lek Yuen, Shatin, N.T., Hong Kong  
[http://www.hk.sgs.com/home\\_hk\\_v2.htm](http://www.hk.sgs.com/home_hk_v2.htm)
- Underwriters Laboratories, Inc.  
333 Pfingsten Rd., Northbrook, IL 60062  
<http://www.ulenvironment.com>

### **c. Additional Information**

- CHPS Best Practices Manual: Design for High Performance Schools (Volume II): Interior Surfaces and Finishes Chapter. <http://www.chps.net/dev/Drupal/node/31>

## 9. Environmental Preferable Products (EPP)

### a. Applicable Prerequisites and Credits

**Table 9: Environmental Preferable Products Applicable Prerequisites and Credits**

Criteria	Credit Number	Page Number
California, 2009 Edition ( <a href="#">CA-CHPS</a> )	ME5.1	107
Colorado, 2009 Edition ( <a href="#">CO-CHPS</a> )	ME5.1	147
Hawaii, 2012 Edition ( <a href="#">HI-CHPS</a> )	n/a	n/a
Massachusetts, 2009 Edition ( <a href="#">MA-CHPS</a> )	n/a	n/a
New York, Version 1.1 ( <a href="#">NY-CHPS</a> )	n/a	n/a
The Northeast, Version 2.0 ( <a href="#">NE-CHPS</a> )	n/a	n/a
Texas, 2009 Edition ( <a href="#">TX-CHPS</a> )	ME5.1	108
Virginia, 2011 Edition ( <a href="#">VA-CHPS</a> )	n/a	n/a
Washington, 2012 Edition ( <a href="#">WA-CHPS</a> )	M2.4	45
Relocatable Classrooms, 2009 Edition ( <a href="#">CHPS Prefab</a> )	ME5.1	109

### b. Third Party Certification

#### Required Documents

The manufacturer must provide:

1. Electronic versions of the original certificate and report to the manufacturer demonstrating the accuracy of the manufacturer's claim.
2. Copy of the chain of custody paper work of the product tested
3. Log of audits and schedule of future of audits.
4. The report must be signed by persons from the certification body accepting responsibility for the contents of the report.

#### Approved Third-Party Certifiers

The certification body must be capable of performing all of the following:

1. Able to illustrate compliance of product with the criteria as specified in the CHPS EQ6.1 including the following impact categories:
  - a. *Global Warming (Climate Change)* - emissions of greenhouse gases, causing the rise of the global temperature.
  - b. *Acidification* - emissions of acids, causing the degradation of materials such as metals, limestone and concrete, and damage to trees and life in lakes and rivers.
  - c. *Eutrophication* - emissions of nutrients, causing blooms of algae. The degradation of dead algae consumes oxygen leading to the loss of plants and animals.
  - d. *Stratospheric Ozone Depletion* – emissions of ozone depleting substances (eg CFCs), causing a thinning of the stratospheric ozone layer.
  - e. *Photochemical Smog* - a mixture of pollutants which includes volatile organic components, particulates, nitrogen oxides, ozone... It's harmful to human health (causing inhalation irritations lung problems, coughing and wheezing) and the environment (damage to plants and crops).

- f. *Abiotic Resource Depletion* - extraction and consumption of non-renewable resources such as oil, coal, and metals.
  - g. *Human Toxicity* – emissions of substances which are potentially harmful to human health, emitted during the whole life cycle of the product.
  - h. *EcoToxicity* – emissions of substances which are potentially harmful to the natural environment, emitted during the whole life cycle of the product.
  - i. *Waste* - bulk waste and hazardous waste created during the whole life cycle of the product.
2. ISO 14025 Type III Environmental Declarations and/or ISO 21930 Environmental Declarations of Building Products
  3. Able to illustrate compliance with the Federal Trade Commission (FTC) Guides for the Use of Environmental Marketing Claims:  
[http://www.ftc.gov/bcp/edu/microsites/energy/about\\_guides.shtml](http://www.ftc.gov/bcp/edu/microsites/energy/about_guides.shtml)
  4. Execute audit processes and quality assurance elements that provide confidence of continuing conformance.

The following third-party certifiers are approved to conduct certification for the Environmental Preferable Products (EPP) attribute. These certifiers are listed for information only and are not endorsed or certified by CHPS. Other certifiers that meet the specifications above can be used. Only certifiers approved by CHPS prior to testing may be used for product listings in the database.

- Scientific Certification Systems (SCS)  
2200 Powell Street, Suite 725, Emeryville, California 94608  
<http://www.scscertified.com>

### **c. Additional Information**

- Pharos: <http://www.pharosproject.net/>
- ISO 14025: [http://www.iso.org/iso/catalogue\\_detail?csnumber=38131](http://www.iso.org/iso/catalogue_detail?csnumber=38131)
- ISO 21930: [http://www.iso.org/iso/catalogue\\_detail?csnumber=40435](http://www.iso.org/iso/catalogue_detail?csnumber=40435)
- Definitions:
  1. *ISO 14025 Environmental labels and declarations -- Type III environmental declarations -- Principles and procedures.* ISO 14025 establishes the principles and procedures for developing Type III environmental declarations (EPD). It specifically establishes the use of the ISO 14040 series of standards on life-cycle assessment in the development of these declarations. Type III environmental declarations prepared in accordance with this standard are intended to present quantified environmental life cycle product information to enable comparisons between products fulfilling the same function.
  2. *ISO 21930 Sustainability in building construction -- Environmental declaration of building products.* Building on the framework and requirements described in ISO 14025, ISO 21930 contains specifications and requirements for type III environmental declarations (EPD) of building products. The standard recommends that Type III declarations for building products account for all life cycle stages of the product. Omissions of life cycle stages must be justified. ISO 21930 requires that environmental information covering all life cycle stages (“cradle to grave”) be subdivided into at least three life cycle stages for reporting purposes:
    - product stage (raw material supply, transport to production, manufacturing: “cradle to gate”)
    - building stage (transport to building site, building installation, use, maintenance and repair, replacement)

- end of life stage (demolition, transport, disposal / recycling)
- ISO 21930 also specifies the minimum requirements for the verifiers in terms of competence (ISO 19011:2002, clause 3.14) including:
- Knowledge of relevant industry, product and product-related environmental matters
- Process and product knowledge of the product category
- Expert on LCA and methodology for LCA work
- Knowledge of the relevant standards in the field of environmental labeling and declarations, and life cycle assessment
- Knowledge of the regulatory framework in which requirements for environmental declarations have been prepared
- Knowledge of the program for Type III environmental declarations

## 10. Life Cycle Impact Declarations (LCID)

### a. Applicable Prerequisites and Credits

**Table 10: Environmental Performance Reporting OR LCIA OR LCID  
 Applicable Prerequisites and Credits**

Criteria	Credit Number	Page Number
California, 2009 Edition ( <a href="#">CA-CHPS</a> )	ME6.1	109
Colorado, 2009 Edition ( <a href="#">CO-CHPS</a> )	ME6.1	149
Hawaii, 2012 Edition ( <a href="#">HI-CHPS</a> )	MW.C10	206
Massachusetts, 2009 Edition ( <a href="#">MA-CHPS</a> )	n/a	n/a
New York, Version 1.1 ( <a href="#">NY-CHPS</a> )	n/a	n/a
The Northeast, Version 2.0 ( <a href="#">NE-CHPS</a> )	n/a	n/a
Texas, 2009 Edition ( <a href="#">TX-CHPS</a> )	ME6.1	110
Virginia, 2011 Edition ( <a href="#">VA-CHPS</a> )	n/a	n/a
Washington, 2012 Edition ( <a href="#">WA-CHPS</a> )	n/a	n/a
Relocatable Classrooms, 2009 Edition ( <a href="#">CHPS Prefab</a> )	ME6.1	110

### b. Third Party Certification

#### Required Documents

The manufacturer must provide:

1. Copy of the chain of custody paper work of the product tested
2. Log of audits and schedule of future of audits.
3. The report must be signed by persons from the certification body accepting responsibility for the contents of the report.

#### Approved Third-Party Certifiers

The certification body must be capable of performing all of the following:

1. Able to illustrate ANSI/SCS-002-200x and ISO 14044.
2. The type III Life-Cycle Impact Profile Declarations shall address the following groups of category indicators (The Declaration shall justify the omission of any impact category):
  - a. *Abiotic/Biotic Resource Depletion* – Non Renewable Energy Resources Depletion, Water, BioBased, and Strategic Metals Resource Depletion.
  - b. *Landscape Disruption* – Terrestrial Habitat, Aquatic (River and Lake), and Riparian/Wetland Disruption and Key Species Loss.
  - c. *Cumulative Environmental Loading* – Greenhouse Gas Emissions, Acidification (Organic and Regional), Eutrophication (Regional) and Stratospheric ODC C-Loading.
  - d. *Human Toxicity Emission* – Ground Level Ozone Exposures, PM 2.5 Exposures, Pulmonary Toxic Chemical Exposures, System Toxic Chemical and Neurotoxic Chemical C-Loading.
  - e. *Additional Impact Categories* – EcoToxicity Chemical C-Loading, C-Risks Untreated Hazardous Waste. ISO 14025 Type III Environmental Declarations and/or ISO 21930 Environmental Declarations of Building Products

3. Able to illustrate compliance with the Federal Trade Commission (FTC) Guides for the Use of Environmental Marketing Claims:  
[http://www.ftc.gov/bcp/edu/microsites/energy/about\\_guides.shtml](http://www.ftc.gov/bcp/edu/microsites/energy/about_guides.shtml)
4. Execute audit processes and quality assurance elements that provide confidence of continuing conformance.

The following third-party certifiers are approved to conduct certification for the Life Cycle Impact Declarations (LCID) attribute. These certifiers are listed for information only and are not endorsed or certified by CHPS. Other certifiers that meet the specifications above can be used. Only certifiers approved by CHPS prior to testing may be used for product listings in the database.

- Scientific Certification Systems (SCS)  
2200 Powell Street, Suite 725, Emeryville, California 94608  
<http://www.scscertified.com>

### **c. Additional Information**

- Pharos: <http://www.pharosproject.net/>
- ISO 14025: [http://www.iso.org/iso/catalogue\\_detail?csnumber=38131](http://www.iso.org/iso/catalogue_detail?csnumber=38131)
- ISO 21930: [http://www.iso.org/iso/catalogue\\_detail?csnumber=40435](http://www.iso.org/iso/catalogue_detail?csnumber=40435)
- Definitions:

**SCS-002-200x, Type III Life-Cycle Impact Profile Declaration (LCID):** LCIDs provide a life cycle assessment result based on life cycle impact assessment in accordance with draft standard for trial use SCS-002-200x, Type III Life-Cycle Impact Profile Declarations for Products and Services and ISO 14044. LCID's use Life-Cycle Assessment (LCA) or "cradle to grave" techniques to consider environmental impacts at each stage of a product's life-cycle, from the time natural resources are extracted from the ground and processed through each subsequent stage of manufacturing, transportation, product use, and ultimately disposal. The product's environmental information is summarized on an "impact profile" listing each impact indicator result which then compares these results to a baseline, such as the average product performance. The impact-profile is very similar to a nutritional food label. In addition to the impact-profile, the LCID includes a report that contains method (life cycle software used, data quality), scope (unit processes, location, process description, functional unit), and assumptions.

## **11. Life Cycle Effects Screen (LCES) Process**

Contact Scientific Certification Systems (SCS)  
2200 Powell Street, Suite 725  
Emeryville, California 94608  
Toll Free: 1-800-Eco-Fact  
Phone: 510-452-8000  
Fax: 510-452-8001  
[www.scscertified.com](http://www.scscertified.com)

SCS will conduct a LCES on the product per ANSI BSR/SCS002, Annex A and a final report will be generated. Submit a copy of the report to CHPS.

The manufacturer must also submit a signed letter (by a persons from the manufacturer accepting responsibility for the contents of the letter) stating the date the product was manufactured for testing and that the makeup of the product tested is representative of the makeup of other like products for retail and wholesale distribution in its current inventory and in all future manufacturing of that product. A sample letter can be downloaded from the CHPS website. Any formulary change will require a new LCES to be conducted for the product.