

CERTIFICATION - MASTER LEVEL

PART 1 - SOAP EVAL - CP/HP

April, 2017



SOAP SAMPLE AND DOCUMENTATION REQUIREMENTS

A. RECIPES

Recipe #1: Ghost Swirl Soap

- a) Produce an artistic cold process soap by manipulating the percentage of water in the lye solution using no other additives or colorants.
- b) Create a unique and complex design or pattern in the soap such as intricate swirling or marbling.
- c) Formulate a recipe with at least three different oils, fats, and/or butters.
- d) Soapmaker must calculate his/her own recipe.
- e) Fragrance and swirl design are soapmaker's choice. Fragrance must be added to all soap batter to ensure the design is the result of water manipulation and not fragrance discoloration.
- f) The soap must weigh 3.5 to 5.5 ounces net.

Recipe #2: Natural Artisan Soap

- a) Produce a natural artistic cold process soap using only natural plant based colorants and/or clays and fragranced with essential oils.
- b) Use intermediate to advanced swirling techniques. Examples include the Taiwan Swirl, Butterfly Swirl, Peacock Swirl, a combination of layers, swirls and/or embeds, and/or silhouettes.
- c) Use a minimum of 4 natural colors. Plant colors may be ground, sifted, and added directly to the soap solution or infused in the soapmaking oil. Natural clays may be added directly to the soap batter.
- d) Use a minimum of three essential oils in the soap blend. The essential oil blend must comply with IFRA Standards safe usage levels for wash off products.
- e) Formulate a recipe with at least three different oils, fats, and/or butters.
- f) Soapmaker must calculate his/her own recipe.
- g) The soap must weigh 3.5 to 5.5 ounces net.

Recipe #3: Shaving Puck

- a) Produce a shaving puck with fragrance using hot process saponification.
- b) Formulate the recipe using at least three different fats, butters, fatty acids, and/or oils.
- c) Formulate the recipe using both sodium and potassium hydroxide. Ratio of sodium to potassium hydroxide is soapmaker's choice.

- d) The soap should be round (circular) and be sufficiently hard to withstand handling, stacking, and shipping with minimal wear and distortion.
- e) Fragrance is to be added.
- f) Fillers, such as clay and salt, are not allowed.
- g) Fillers, such as sodium lactate and yogurt to create a more fluid batter, are allowed.
- h) Added glycerin is allowed.
- i) The soap must weigh 3.5 to 5.5 ounces net.

Recipe #4: Cream Soap

- a) Produce a sample of cream soap with fragrance using hot process saponification.
- b) Formulate the recipe using at least three different fats, butters, fatty acids, and/or oils.
- c) Formulate the recipe using both sodium and potassium hydroxide. Ratio of sodium to potassium hydroxide is soapmaker's choice.
- d) Final water content of cream soap is soapmaker's choice and should result in an acceptable cream.
- e) Fragrance is to be added.
- f) The addition of clay is permitted but is not required.
- g) Emulsifying, gelling, stabilizing, or thickening agents are not permitted. Examples of these disallowed additives include: Polysorbates, Lecithin, Glyceryl Stearates, Cetyl Alcohol, Guar Gum, Carageenan, Hydroxyethyl Cellulose, and etc.
- h) Package in a 4 fluid ounce plastic wide mouth jar.

Recipe #5: Transparent Bar Soap

- a) Produce a sample of transparent soap with color and fragrance using hot process saponification. Formulate recipe with at least three different oils, fats, and/or butters.
- b) Stearic acid may be used.
- c) Use of alcohol in the recipe is soapmaker's choice. Ethanol or isopropanol may be used.
- d) Sugar and/or glycerin may be added to improve transparency but other ingredients such as sorbitol or propylene glycol are not allowed.
- e) Color and fragrance are to be added.
- f) The bar must weigh 3.5 to 5.5 ounces net and be either individually molded or cut from a log or block.

Recipe #6: Opaque Bar Soap from Self-Produced Lye

- a) Produce a bar of opaque soap using either cold or hot process saponification dependent upon the method of self-produced lye.
- b) Make lye solution from a natural material such as wood ashes or from the electrolysis of table salt or sodium bicarbonate.
- c) Formulate recipe with at least three different oils, fats, fatty acids, and/or butters.
- d) Soapmaker is to calculate his/her own lye discount and water content.
- e) Do not add any fragrance, color, dried herbs, or detergents.

- f) The bar should weigh 3.5 to 5.5 ounces net and be either individually molded or cut from a log or block.

B. LABELING

- 1) Each soap must be appropriately wrapped/packaged and labeled per soapmaker's country's regulations.
- 2) If a soap is adulterated or misbranded, it will be disqualified.

C. DOCUMENTATION

- 1) Recipe calculations illustrating how the amounts of all ingredients were calculated. A copy of the soapmaker's own calculations, either handwritten or typed are acceptable documents. The use of lye calculators is not allowed.
- 2) Batch Code Sheet with the batch number, recipe ingredients, and amounts used. Use the form attached to provide this information. Also use this form when making soap embeds to record their information separately.
- 3) Include a SDS for each ingredient used in recipe, except water, herbs, and botanicals.
- 4) Attach on a separate sheet, your record of data collected during the soapmaking and finishing steps appropriate for the specific soap recipe. The record of data should include a written description of how the soap was made stating relevant temperatures, times, conditions, and residual alkalinity test results.

SUBMITTAL OF SOAP SAMPLES AND DOCUMENTATION

If submitting these soap samples at the Annual Conference, the soap samples and documents can be submitted to the Certification Table. Please submit as soon as possible so evaluations can be made in a timely manner.

If soap samples and documents will be submitted at a time other than at the Annual Conference, contact the HSCG office for the correct mailing address for the judge evaluating the soaps. Please package the soap carefully so it will arrive undamaged. Soap and documents will not be returned.

SCORING OF SOAP SAMPLES

- ◆ Each criterion of the evaluation has percentage points assigned to it. The maximum score per soap is 100 percentage points.
- ◆ Each soap must score 85 percentage points or higher to pass its individual exam. Every soap must pass in order to pass the Soap Evaluation Part.
- ◆ If a soap is deemed to be adulterated or misbranded, it will be automatically disqualified.

MASTER CP/HP BATCH CODE SHEET

Soapmaker Name:		Date Batch Made:	
Soap Name:		Batch Code:	

Recipe Ingredients

Oils and/or Fats, Stearic Acid

Type	Amount	Supplier	Lot #	Expiration Date	Comments

Sodium and/or Potassium Hydroxide, Neutralizing Agents (HP)

Type	Amount	Supplier	Lot #	Expiration Date	Comments

Water, Alcohol, Glycerin

Type	Amount	Supplier	Lot #	Expiration Date	Comments

Color, Fragrance, Other Additives

Type	Amount	Supplier	Lot #	Expiration Date	Comments

Signature _____ Date _____

SOAP EVALUATION FORM
RECIPE #1: GHOST SWIRL BAR SOAP

Soapmaker Name:		Date Batch Made:	
Soap Name:		Batch Code:	

TECHNICAL ASPECTS	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Weight	3.5 to 5.5 oz (100 to 156 g)		0 - 5	
Scent	Pleasing scent, no off odors		0 - 5	
Color	Natural shades of ivory to off-white		0 - 10	
Visual Appearance	Patterns or swirls of color created by partial gelling. No grainy or soft surfaces. No blemishes. Trimmed		0 - 20	
Physical Consistency	Firm and unyielding. Uniform hardness.		0 - 10	
Hand Lather	Lather quickness, stability, creaminess, afterfeel		0 - 10	
Residual Alkalinity	Maximum Total Alkali <0.1%		0 - 10	

LABELING	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Product Identity	Present on principal display panel		0 - 2	
Net Weight	In proper units on principal display panel		0 - 2	
Business Name & Address	Name, street address, city, state and zip		0 - 2	
If a Cosmetic	Ingredients in proper order with INCI names on informational panel (except in US, common English name for botanical ingredients).		0 - 4	
If exempt from the definition of a cosmetic (US only)	Identified as "soap" on principal display panel and no cosmetic claims			

DOCUMENTATION	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Recipe Calculations	Recipe showing calculations of all ingredients; amount of lye per SAP values of oils/fats.		0 - 5	
Batch Code Sheet	Correctly and complete completed		0 - 5	
Safety Data Sheets	Attached for all ingredients except water, herbs, and botanicals		0 - 5	
Process Description	Complete description of soapmaking processes and curing/drying steps		0 - 5	
Additional Comments				

Evaluator Name:		Total points:	
Signature:		Date Evaluated:	

SOAP EVALUATION FORM
RECIPE #2: NATURAL ARTISAN SOAP

Soapmaker Name:		Date Batch Made:	
Soap Name:		Batch Code:	

TECHNICAL ASPECTS	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Weight	3.5 to 5.5 oz (100 to 156 g)		0 - 5	
Scent	Pleasing scent, no off odors		0 - 5	
Color	Appropriate selection of herbs and/or clays and incorporation into soap.		0 - 10	
Visual Appearance	Visually appealing. Excellent quality soap craftsmanship.		0 - 20	
Physical Consistency	Appropriate for sample.		0 - 10	
Hand Lather	Lather quickness, stability, creaminess, afterfeel		0 - 10	
Residual Alkalinity	Maximum Total Alkali <0.1%		0 - 10	

LABELING	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Product Identity	Present on principal display panel		0 - 2	
Net Weight	In proper units on principal display panel		0 - 2	
Business Name & Address	Name, street address, city, state and zip		0 - 2	
If a Cosmetic	Ingredients in proper order with INCI names on informational panel (except in US, common English name for botanical ingredients).		0 - 4	
If exempt from the definition of a cosmetic (US only)	Identified as "soap" on principal display panel and no cosmetic claims			

DOCUMENTATION	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Recipe Calculations	Recipe showing calculations of all ingredients; amount of lye per SAP values of oils/fats.		0 - 5	
Batch Code Sheet	Correctly and complete completed		0 - 5	
Safety Data Sheets	Attached for all ingredients except water, herbs, and botanicals		0 - 5	
Process Description	Complete description of soapmaking processes and curing/drying steps		0 - 5	
Additional Comments				

Evaluator Name:		Total points:	
Signature:		Date Evaluated:	

SOAP EVALUATION FORM
RECIPE #3: SHAVING PUCK SOAP

Soapmaker Name:		Date Batch Made:	
Soap Name:		Batch Code:	

TECHNICAL ASPECTS	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Weight	3.5 to 5.5 oz (100 to 156 g)		0 - 5	
Scent	Fresh scent, no off odors		0 - 5	
Color	White to off-white.		0 - 10	
Visual Appearance	No swirling, gels streaks. No grainy or soft surfaces. No off-color spots. No blemishes. Trimmed.		0 - 20	
Physical Consistency	Firm and uniform. Less dense than bar soap.		0 - 10	
Hand Lather	Lathers quickly, small bubbles stable, creaminess and afterfeel.		0 - 10	
Residual Alkalinity	Maximum Total Alkali <0.1%		0 - 10	

LABELING	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Product Identity	Present on principal display panel		0 - 2	
Net Weight	In proper units on principal display panel		0 - 2	
Business Name & Address	Name, street address, city, state and zip		0 - 2	
Ingredients	Ingredients in proper order with INCI names on informational panel (except in US, common English name for botanical ingredients).		0 - 4	

DOCUMENTATION	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Recipe Calculations	Recipe showing calculations of all ingredients; amount of lye per SAP values of oils/fats.		0 - 5	
Batch Code Sheet	Correctly and complete completed		0 - 5	
Safety Data Sheets	Attached for all ingredients except water, herbs, and botanicals		0 - 5	
Process Description	Complete description of soapmaking processes and curing/drying steps		0 - 5	
Additional Comments				

Evaluator Name:		Total points:	
Signature:		Date Evaluated:	

SOAP EVALUATION FORM
RECIPE #4: CREAM SOAP

Soapmaker Name:		Date Batch Made:	
Soap Name:		Batch Code:	

TECHNICAL ASPECTS	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Weight	3.5 to 5.5 oz (100 to 156 g)		0 - 5	
Scent	Pleasing scent, no off odors		0 - 5	
Color	Uniformly dispersed.		0 - 10	
Visual Appearance	Whipped look with a smooth surface.		0 - 20	
Physical Consistency	Soft, supple; Without caking or lumps.		0 - 10	
Hand Lather	Lather quickness, stability, creaminess, afterfeel		0 - 10	
Residual Alkalinity	Maximum Total Alkali <0.1%		0 - 10	

LABELING	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Product Identity	Present on principal display panel		0 - 2	
Net Weight	In proper units on principal display panel		0 - 2	
Business Name & Address	Name, street address, city, state and zip		0 - 2	
If a Cosmetic	Ingredients in proper order with INCI names on informational panel (except in US, common English name for botanical ingredients).		0 - 4	
If exempt from the definition of a cosmetic (US only)	Identified as "soap" on principal display panel and no cosmetic claims			

DOCUMENTATION	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Recipe Calculations	Recipe showing calculations of all ingredients; amount of lye per SAP values of oils/fats.		0 - 5	
Batch Code Sheet	Correctly and complete completed		0 - 5	
Safety Data Sheets	Attached for all ingredients except water, herbs, and botanicals		0 - 5	
Process Description	Complete description of soapmaking processes and curing/drying steps		0 - 5	
Additional Comments				

Evaluator Name:		Total points:	
Signature:		Date Evaluated:	

SOAP EVALUATION FORM
RECIPE #5: TRANSPARENT BAR SOAP

Soapmaker Name:		Date Batch Made:	
Soap Name:		Batch Code:	

TECHNICAL ASPECTS	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Weight	3.5 to 5.5 oz (100 to 156 g)		0 - 5	
Scent	Pleasing scent, no off odors		0 - 5	
Color	Uniformly dispersed. Does not contribute to haziness.		0 - 10	
Visual Appearance	Transparent, uniform appearance. No gels, streaks. Neatly trimmed. Free of blemishes.		0 - 20	
Physical Consistency	Firm and unyielding. Uniform hardness.		0 - 10	
Hand Lather	Lather quickness, stability, creaminess, afterfeel		0 - 10	
Residual Alkalinity	Maximum Total Alkali <0.1%		0 - 10	

LABELING	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Product Identity	Present on principal display panel		0 - 2	
Net Weight	In proper units on principal display panel		0 - 2	
Business Name & Address	Name, street address, city, state and zip		0 - 2	
If a Cosmetic	Ingredients in proper order with INCI names on informational panel (except in US, common English name for botanical ingredients).		0 - 4	
If exempt from the definition of a cosmetic (US only)	Identified as "soap" on principal display panel and no cosmetic claims			

DOCUMENTATION	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Recipe Calculations	Recipe showing calculations of all ingredients; amount of lye per SAP values of oils/fats.		0 - 5	
Batch Code Sheet	Correctly and complete completed		0 - 5	
Safety Data Sheets	Attached for all ingredients except water, herbs, and botanicals		0 - 5	
Process Description	Complete description of soapmaking processes and curing/drying steps		0 - 5	
Additional Comments				

Evaluator Name:		Total points:	
Signature:		Date Evaluated:	

SOAP EVALUATION FORM

RECIPE #6: OPAQUE BAR FROM SELF-PRODUCED LYE

Soapmaker Name:		Date Batch Made:	
Soap Name:		Batch Code:	

TECHNICAL ASPECTS	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Weight	3.5 to 5.5 oz (100 to 156 g)		0 - 5	
Scent	Satisfactory scent, no off odors		0 - 5	
Color	Range from white to tan.		0 - 10	
Visual Appearance	Uniform color; no swirling, gels or streaks. No grainy or soft surfaces. No off-color spots. No blemishes. Trimmed.		0 - 20	
Physical Consistency	Firm and unyielding. Uniform hardness.		0 - 10	
Hand Lather	Lather quickness, stability, creaminess, afterfeel		0 - 10	
Residual Alkalinity	Maximum Total Alkali <0.1%		0 - 10	

LABELING	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Product Identity	Present on principal display panel		0 - 2	
Net Weight	In proper units on principal display panel		0 - 2	
Business Name & Address	Name, street address, city, state and zip		0 - 2	
If a Cosmetic	Ingredients in proper order with INCI names on informational panel (except in US, common English name for botanical ingredients).		0 - 4	
If exempt from the definition of a cosmetic (US only)	Identified as "soap" on principal display panel and no cosmetic claims			

DOCUMENTATION	CHARACTERISTICS	COMMENTS	RANGE	POINTS
Recipe Calculations	Recipe showing calculations of all ingredients; amount of lye per SAP values of oils/fats.		0 - 5	
Batch Code Sheet	Correctly and complete completed		0 - 5	
Safety Data Sheets	Attached for all ingredients except water, herbs, and botanicals		0 - 5	
Process Description	Complete description of soapmaking processes and curing/drying steps		0 - 5	
Additional Comments				

Evaluator Name:		Total points:	
Signature:		Date Evaluated:	

DOCUMENT NOTES:

- ◆ Content of document written by 2016-1017 Certification Committee and approved by the Board of Directors in April, 2017.
- ◆ Soap submission requirements published as a webpage on the HSCG website in the Member Area (Certification Section). Batch record sheet and evaluation criteria published on the HSCG website as individual pdf files.