

## SANITATION BRANCH

# HOW TO GET A GREEN PLACARD

### **EMPLOYEE HEALTH & HYGEINE**

- □ Hands are properly washed before handling food and anytime possible contaminated. □ Hand wash sinks are provided, accessible and stocked with soap & paper towels.
- □ No bare hand contact with food. Hands washed before putting gloves on.

□ No sick employees, especially if they have been vomiting or have diarrhea.

### FOOD SOURCES

 $\Box$  All food from approved sources.

□ No food prepared at home.

□ Unpackaged food already served to a customer is not served again or reused as food.

### FOOD STORAGE & DISPLAY

□ Hold COLD foods at or below 41°F.

□ Hold HOT foods at or above 135°F.

 $\Box$  Hold foods in DANGER ZONE (between 41–135°F) up to 4 hours, then discard.

Label items with date and time of disposal.

 $\Box$  Cool hot food quickly. Cool 135  $\rightarrow$  70°F in 2 hours, then to 41°F within a total of 6 hours.

 $\Box$  Store raw meat, fish, and poultry below and separate from ready-to-eat foods.

□ Protect food with proper covering.

Properly date mark food, if not used within 24 hours.

□ Shellfish must have proper tags. Keep tags for 90 days.

### **COOKING TEMPERATURES**

□ Ensure all final cooking temperatures are met.

Eggs, Pork, Beef: 145°F

Ground Beef and Other Ground Meats/Fish: 155°F

Poultry and Stuffed Meats: 165°F

 $\square$  Previously cooked food that will be held hot must be rapidly reheated to 165°F.

 $\square$  Provide consumer advisory for foods served raw or undercooked.

### **CLEANING & SANITIZING**

□ Use correct dishwashing method at 3-compartment sink.

WASH  $\rightarrow$  RINSE  $\rightarrow$  SANITIZE  $\rightarrow$  AIR DRY

Use sanitizers properly:

Chlorine: 50 - 100 ppm

Quaternary Ammonia: Prepare as directed by manufacturer's label.

lodine: 12.5 - 25 ppm

Hot Water: Rinse cycle of 180°F. Food contact surface temperature of 160°F.

□ Clean & sanitize food prep surfaces between raw and cooked/ready-to-eat foods.

 $\square$  Properly label and store toxic chemicals.

### CONDITIONS THAT MAY WARRANT IMMEDIATE CLOSURE

◊ Vermin or vector infestation. ◊ No electricity or water. ◊ Sewage back up. ◊ Imminent Health Hazard.

View inspection reports at: https://hi.healthinspections.us/hawaii/









# 3 – COMPARTMENT SINK:

Manual Cleaning & Sanitizing of Food Equipment and Utensils



Scrape or flush out large food particles before washing.



# WASH RINSE → SANITIZE (Sink 3) (Sink 1) (Sink 2) Wash with detergent. Chlorine\* 25 - 100 ppm Wash solution temperature $\geq 110^{\circ}$ F. Quaternary ammonium\* 200 ppm Wash solution kept lodine\* clean & at proper temperature 12.5 - 25 ppm throughout operation. Use TEST STRIPS to check concentration.

\* Prepare and use sanitizer according to product label. AIR DRY

Do not rinse off sanitizer.

Do not towel dry.



### Why do I need to sanitize utensils or food equipment if I will be using it for cooking?

The heat involved in cooking may not heat all parts of the utensil or food equipment to a temperature that will kill the harmful microorganisms that can cause someone to get sick. Also, the utensil or food equipment may be used for preparing food that does not involve cooking or the application of heat.

### What are the common types of chemical sanitizers to use? What are the advantages & disadvantages of each type?

<u>TYPE OF SANITIZER</u>	ADVANTAGES	DISADVANTAGES	
CHLORINE	Relatively inexpensive	Corrodes metal & weakens rubber	
	Kills most microorganisms	Breaks down quickly (need to add more chlorine often)	
	Does not form film	Irritant to skin, nose & eyes	
	Easy to measure with test strips	May leave water spots	
QUATERNARY AMMONIUM COMPOUND	Non-corrosive	Relatively expensive	
	Can be applied as foam for visual control	Not effective against certain microorganisms	
	Does not give off strong odor	Not effective in hard water (high mineral content)	
IODINE	Non-corrosive	Expensive	
	Stable, long shelf-life	May stain plastic and porous materials	
	Kills most organisms including yeast & mold	Not effective at > 120°F	

#### Why must I check the concentration of the sanitizer with test strips?

The amount of sanitizer added to the water is critical. Too little sanitizer will not be effective and may leave microorganisms on the food equipment that can cause someone to get sick. Too much sanitizer may cause taste/odor problems, toxicity and is a waste of money. During warewashing, test strips must be used to check the strength of the concentration because detergents, organic material, and rinse water can change the concentration of the sanitizer.

FOOD SAFETY REFERENCE CARD	MINIMUM COOKING TEMPERATURES (INTERNAL)		
PERSONAL HYGIENE	145°F = eggs, fish, whole pieces of pork and beef		
1. No sick employees shall work in kitchen.	155°F = ground beef, ground pork		
2. Handwash sinks must be readily accessible and supplied with running water, soap, and paper towels.	165°F = poultry, stuffed foods, foods reheated for hot-holding, and foods cooked		
<ol> <li>Wash hands before starting work, after using restroom, before putting on gloves, when changing tasks, after eating, and whenever hands become con- taminated.</li> </ol>	in microwave <b>RAPID COOLING OF FOODS</b> Cool foods $135^{\circ}F \rightarrow 70^{\circ}F$ within 2 hours, then $70^{\circ}F \rightarrow 41^{\circ}F$ within 4 hours		
CROSS-CONTAMINATION	Complete cooling time must not exceed 6 hours.		
1. Wash $\rightarrow$ rinse $\rightarrow$ sanitize cutting boards when switching to different foods or	Use an approved cooling method:		
use separate cutting boards.	1. Ice bath with frequent stirring		
2. Keep wiping towels and utensils clean and sanitized.	2. Downsize into smaller portions		
<ul> <li>Store rood according to minimum cooking temperatures.</li> <li>  vegetables / ready-to-eat foods / cooked foods   (top shelf)</li> </ul>	3. Use shallow pans with food depth 2" or less		
seafood	4. Use ice paddles		
beef / pork chicken and other poultry (bottom shelf)	5. Rapid cooling equipment such as a blast chiller		
4. Store chemicals below and away from foods.			
5. Exclude vermin and pests from facility.	UTENSIL WASHING		
	SANITIZER TYPE	DISHWASHER	3-COMPARTMENT
Lise an approved thewing method:		(PPM)	SINK (PPM)
1 In the refrigerator	IODINE	12.5 - 25	12.5 - 25
2. Under cold rupping water in an approved feed proparation sink	CHLORINE	50 - 200	50 - 200
2. In a microwaya ayan followed by immediate cooking	QUATERNARY AMMONIA	200	200
4. As part of the cooking process	HOT WATER	180°F	—
HOLDING TEMPERATURES FOR POTENTIALLY HAZARDOUS FOODS Store cold foods at 41°F or below and hot foods at 135°F or above. These foods include meats, seafood, eggs, dairy products, cooked rice, cooked beans, cooked pasta, cooked vegetables, tofu, cut melon, sprouts, and garlic in oil.	Environmental Health Services Division FOOD SAFETY BRANCH Visit us at: http://health.hawaii.gov/san/		