

# FOOD NULLIFICATION

## FOOD NULLIFICATION: FOODS

### INTRODUCTION TO FOOD NULLIFICATION: FOODS

#### Introduction to Food Nullification: Foods

##### Categories of *Batel*/Nullification

Categories of nullification of non-kosher ingredients:

- Never *batel*.
- *Batel b'shishim* when the non-kosher substance is less than 1/60th of the total volume of the food.
- *Batel barov* when the non-kosher substance is less than 1/2 of the total volume of the food.

##### When Can a Non-Kosher Substance Be Nullified in a Mixture?

Whether a non-kosher substance can be nullified in a mixture depends on 3 factors:

- Whether the owner is Jewish;
- Whether the intended eaters are Jewish; and
- Whether the non-kosher substance was added intentionally as non-kosher.

If the answers to all three cases is yes, the food is never *batel*.

##### Food “Nullified in 60 Parts”:

##### Accidentally Adding Non-Kosher to Kosher Food

*Batel ba'shishim*, or “nullified in 60 (parts)” is food that remains kosher despite the accidental addition of 1/60th or less in volume of non-kosher or restricted food, since at this proportion the non-kosher food's taste becomes negligible.

**Taste:** If the non-kosher substance:

- Has no taste, it is *batel barov*.
- Has a taste but the eater cannot taste it, it is *batel b'shishim* (1/60th).

In all cases, if a substance is added for flavor and can be tasted in the final food, it will never be *batel*, regardless of whether it was added intentionally (since you can taste it, by definition it was not nullified) and regardless of whether the food was owned by a Jew or not. There are some exceptions. Consult a knowledgeable rabbi.

Some foods do impart their flavor even if less than 1/60th of the total volume of the food and these do not ever become nullified based on the 1/60th rule. Otherwise, the non-kosher food must be:

- Less than 1/60 of the volume of the whole.
- Mixed in and not lying on the surface.
- Not intentionally added by a Jew.
- Not listed in “Foods that Never Become Nullified” (below).

##### *Min b'Mino*

Substances are only *batel* when they are similar (“*min b'mino*”). The substances must be the same type, have the same taste, and have the same appearance (the eater cannot identify them as being different).

**NOTE** In such situations, it would be *batel barov* from Torah (*d'oraita*) but *batel b'shishim* (1/60th) by rabbinical order (*d'rabanana*).

**EXAMPLE** A piece of non-kosher meat is mixed in with kosher meat of more than 60 times the volume of

the non-kosher piece. The non-kosher meat is batel b'shishim.

**NOTE** As a practical matter, this can only apply to ground meat.

**COUNTER EXAMPLE** Non-kosher chocolate syrup or a non-kosher flavored extract mixed into milk or other liquid or onto a solid would NOT be min b'mino even though both are liquids, since their appearances, flavors, and substance are different.

### **Too Thin To Make Non-Kosher**

The thinnest layer of non-kosher fish oil, vegetable oil, soap, or any other very thin substance on food that does **not** make the food non-kosher is whatever amount cannot be detected by the five human senses.

### **Foods that Never Become Nullified**

Here are some foods that NEVER become nullified by being less than 1/60th of the main food:

- **Yayin Nesech**

Wine that has been offered to a pagan god or used for idolatrous purposes (yayin nesech) is forbidden in any amount!

- **Mixtures of Milk and Meat**

Mixtures of milk and meat are not ever batel if they were cooked together.

**EXCEPTION** Batel in 1/60th if:

- You cannot identify either substance AND
- The mixture is liquid in liquid or solid mixed with solid.

**Examples:** Milk from a pig mixed with milk from a cow; ground kosher meat mixed in with ground non-kosher meat.

- **Chametz**

Any chametz in any amount that became mixed with kosher-for-Passover food DURING Passover is not nullified in 60 parts (batel ba'shishim).

**NOTE** Chametz may be nullified if:

- Less than 1/60th of the volume of kosher-for-Passover food, AND
- Mixed with the kosher-for-Passover food BEFORE the holiday began, AND
- Liquid (solid chametz that got mixed up with kosher-for-Passover food is never nullified).

- **Jew Intentionally Adding Non-Kosher Item**

If the non-kosher substance was added by anyone (Jew or non-Jew) unintentionally (he did not realize it was not kosher), the food is kosher/batel b'shishim (1/60th).

If a Jew intentionally adds a non-kosher ingredient to a food, that ingredient never becomes nullified, even if the ingredient is less than 1/60th of the total volume of food and even if the ingredient has no flavor. Note that there are exceptions when non-Jews do the action, especially when a non-Jew adds a non-kosher ingredient or adds stam yainam wine to other liquids.

- **Unflavored or Flavored Non-Kosher Ingredient**

- Non-Jew Adds Unflavored Non-Kosher Ingredient**

**SITUATION** A non-Jew adds a non-kosher ingredient that has no flavor.

**STATUS** The non-kosher ingredient is nullified if less than 1/2 of the total (it does not need to be less than 1/60th--batel ba'shishim).

## Non-Jew Adds Flavored Non-Kosher Ingredient

**SITUATION** A non-Jew adds a flavored non-*kosher* ingredient even if to impart flavor.

**STATUS** The non-*kosher* ingredient is nullified in 60 parts (*batel ba'shishim*).

**NOTE** If a Jew had told the non-Jew to add the ingredient, the mixture is non-*kosher*, just as if a Jew had added it.

### • *Stam Yeinam* Added to Water

**SITUATION** A non-Jew adds—to water--*stam yeinam* (uncooked/non-*mevushal*) wine that has been handled while open by anyone other than a shomer-*Shabbat* Jew.

**STATUS** As long as the wine is less than 1/7th of the final volume, the mixture is *kosher*.

**NOTE** For mixtures with liquids other than water, consult a *rabbi*.

### • Essential Additives

Any additive that is essential to making a food (such as rennet for making cheese, or yeast for baking bread) is NEVER nullifiable.

### • Food Bought by the Piece

An item that is always bought by the piece (*davar she'beminyan*) such that even one piece has importance—such as a mango—is never nullifiable.

**SITUATION** One mango grown in *Eretz Yisrael* during a *shmita* year got mixed in with many mangoes that were grown outside of *Eretz Yisrael*.

**STATUS** *Batel ba'shishim* does not apply and you must apply the laws of *shmita* to all of them.

**NOTE** If *kosher* and non-*kosher* food items have become mixed up, it is sometimes permissible to eat from the batch of food if most of the items are *kosher* (*batel ba'rov*), but a *rabbi* must be consulted.

### • Important Food

**SITUATION** A food with which you could honor a guest (*chaticha ha'reuya l'hitchabed*), such as 1/4 of a non-*kosher* chicken or a serving of non-*kosher* chopped liver, was mixed up with *kosher* servings—even if more than 60 *kosher* servings.

**STATUS** None may be eaten.

### • Permissible in Future (*Davar SheYesh Lo Matirin*)

An item that would become permissible in the future (*davar she'yesh lo matirin*) cannot become nullified by being mixed in with currently permissible foods.

#### EXAMPLES

- An egg laid on *Shabbat* will not be nullified by being mixed with eggs laid before *Shabbat*.
- *Matza* made of *chadash* flour will not be nullified by being mixed with *matza* made from *yashan* flour.

- **Whole Insects**

An entire insect (*briya*--whole creature) never becomes nullified even if mixed with other *kosher* food.

**NOTE** An insect that is not whole MAY be nullified.

#### EXAMPLES

- Frozen or raw chopped or ground vegetables or spices may be considered *kosher* even without supervision.

**REASON** We assume that any bugs in the food would have gotten partly chopped or disintegrated and therefore nullified.

- If a recipe calls for chopping or grinding herbs or vegetables, you may do so without first checking them for bugs.

**NOTE** However, if you know there are bugs, you may not chop the food for the purpose of making the bugs nullified: You must still check for insects before cooking or eating the food and if you see any bugs, you must remove them.

**NOTE** You may not eat bugs even if they have been dead for more than 30 days (some people erroneously permit this).

## FOOD NULLIFICATION: UTENSILS (KASHERING)

### INTRODUCTION TO FOOD NULLIFICATION: UTENSILS (KASHERING)

#### Introduction to Food Nullification: Utensils (Kashering)

##### Food Nullification in Utensils: *Torah-Law* and *Rabbinic Decree*

By *Torah* law (*d'oraita*), any clean utensil, countertop, etc., automatically reverts to neutral/*pareve* and *kosher* after not being heated to more than 120° F (49° C) for 24 hours.

But by *rabbinic* decree, utensils do not automatically become neutral/*pareve* even after 24 hours and must be *kashered* by heat (*libun*—direct heat; *hag'ala*—boiling in a pot; or *eruy rotchim*—pouring boiling water over item) or, if some types of glass, by soaking in water (*meluy v'eruy*).

#### Changing Gender of Utensil

You may *kasher* a pot or cooking/eating utensil from:

- Non-*kosher* to *kosher*, or
- Year-round use (*chametz*) to *kosher* for *Passover*.

You may not intentionally *kasher* a utensil in order to change it from *dairy* to meat or meat to *dairy*; you must first *kasher* it from accidentally (or intentionally) non-*kosher* to *kosher/pareve*, or from non-*Passover* to *Passover/pareve*. You may then use it for either *dairy* or meat.

Once you have used it for that gender, the item retains that gender (unless you re-*kasher* it for *Passover* or you make it non-*kosher* first, then *kasher* it to neutral/*pareve*).

But if you accidentally heat meat with a *dairy* utensil or vice versa, you may *kasher* it back to its original gender by any one of the *kashering* methods, depending on how it became non-*kosher*.

#### Items/Materials that Can Be *Kashered*

The following materials can be *kashered*:

- Glass, including Corelle, if not used directly on the stove or oven. Glass does not change gender or other kosher status unless heated on a flame or in the oven. Unless it is heated in this way, glass does not ever need to be kashered (except for *Passover*) (see *Meluy v'Eruy*, below). Glass, including Corelle, if not used directly on the stove or oven. Glass does not change gender or other kosher status unless heated on a flame or in the oven. Unless it is heated in this way, glass does not ever need to be kashered (except for *Passover*) (see *Meluy v'Eruy*, below). Glass, including Corelle, if not used directly on the stove or oven. Glass does not change gender or other kosher status unless heated on a flame or in the oven. Unless it is heated in this way, glass does not ever need to be kashered (except for *Passover*) (see *Meluy v'Eruy*, below).

**NOTE** Glass used directly on fire or in the oven (kli rishon) cannot be kashered except by heating in a kiln.

- Granite (not granite composite)
- Marble
- Wood, if smooth (see notes on Eruy Rotchim, below)
- Metal, including stainless steel, cast iron, and aluminum.

**NOTE** While metal can be kashered if thoroughly cleaned, welded handles and other difficult-to-clean parts may render a metal utensil not *kasherable*. You might be able to use libun kal on the problematic area and still use hag'ala for the remainder of the utensil.

### **Items/Materials that Cannot Be Kashered**

- China
- Corian
- Corningware
- Crockpot
- Formica
- Glass that has been used directly (kli rishon) on a stove or in an oven; however it can be kashered in a kiln
- Granite (composite)
- Knives with Plastic Handles (knives with wooden handles may be kashered if there are no cracks in the wood and if the rivets do not have spaces that catch food and prevent you from cleaning it completely)
- Mixer-there might be exceptions. Consult a rabbi.
- Plastic
- Porcelain (Enamel)
- Pyrex (if used directly on stove or in oven--kli rishon)
- Rubber (synthetic)
- Silestone
- Silverstone
- Stoneware
- Teflon
- Toaster/Toaster Oven
- Waffle Iron.

### **Pot Lid Handle**

#### **Kashering**

The handle on a pot lid does not need to be kashered for normal use during the year.

**REASON** It does not normally get hot.

### **Cleaning**

However, the pot lid handle must be removed and the lid cleaned where the handle attaches, if possible.

**NOTE** If the gap between the handle and lid cannot be completely cleaned, you may not use that lid for *Passover* and you normally may not kasher it if it becomes non-kosher. If the lid handle cannot be removed, consult a rabbi.

### **Pot or Pan Handle**

A plastic handle that gets hot, especially if it is over a flame on a burner, may not be kashered. If the handle becomes non-kosher, it must be replaced. If a plastic handle connects directly to the metal of the utensil, consult a rabbi about what to do.

Food Nullification: Heat-Kashering

### **Three Methods of Heat-Kashering**

Heat-Kashering is of three types: Libun, Hag'ala, and Eruy Rotchim.

#### 1. Libun (Direct Heat)

**How It Works** Burns up any residual food taste

#### **What It Works On**

**Complete Burning** (Libun gamur--heating metal red-hot). Stoves, ovens, grills, grates, baking pans, roasting pans, etc., that were ever used with direct heat **MUST** be kashered by heating to red-hot (libun gamur). Libun gamur works on anything except pottery (this is a rabbinic injunction since you might not do a good job).

**Light Burning** (Libun kal--heating metal hot enough to burn paper on the side opposite the one being heated). You may use this method whenever there is a question of whether an item needs libun. For example, food may have overflowed onto gas-stove grates. Due to safek, we use libun kal-- gas-stove grates do not need libun gamur.

#### **Process**

Libun Gamur The entire metal substance of a utensil, oven, or other cooking surface becomes red hot, but the item does not need to be red hot all at the same time: it may be heated sequentially as long as the entire surface gets red hot at some time. Libun gamur can be done by blowtorch or by placing the item in a kiln.

#### Libun Kal

- Direct a flame, such as a blowtorch, onto the inside of a pot. Pot is hot enough when a piece of paper that touches the outside of the utensil burns (it does not need to burst into flame, just to smolder), or
- Put the pot into the oven at 500 ° F for 40 minutes. (First, remove any non-metal handles; they will need to be kashered separately or not used.)

**Waiting Time** You do not need to wait at all before kashering by libun--and certainly not the 24 hours needed before kashering by hag'ala.

#### 2. Hag'ala (Boiling)

#### **How It Works**

Any non-kosher or meat or milk taste is removed from the walls of the utensil during boiling (hag'ala). You may kasher a pot or utensil by either:

- **Boil Method** Boiling water within the pot to be kasher, and making the boiling water overflow, or
- **Dip Method** Dipping a smaller pot or utensil to be kasher into a larger pot of boiling water.

### What It Works On

Pots and utensils that are used with liquids (meaning, liquid all the time) can be kasher by being immersed in boiling water (hag'ala). The utensil being kasher by hag'ala must be made of a material that can release flavor, such as metal or wood. Materials that cannot be kasher (except in a glazing furnace!) are pottery--and, by extension--china, enamel, and similar materials.

**NOTE** The Boil Method only helps if the utensil became non-kosher due to food inside the utensil. If the non-kosher food was on the outside of the utensil, you may only kasher it by the Dip Method or by libun kal.

**NOTE** The boiling water must reach at least the same temperature during kashering as when the utensil became non-kosher.

**NOTE** Once the *Passover* holiday has begun, chametz cannot be nullified with hot water/hag'ala (only libun can kasher something during *Passover*). You may only kasher during chol hamoed, not during the first and last (festival) days.

**NOTE** Whenever hag'ala is effective, you may instead use libun kal, since libun kal is a stronger form of kashering. Sometimes you may find it more convenient to use libun kal to kasher an item that needs only hag'ala.

**SITUATION** A metal pot of the opposite gender went through a dishwasher cleaning.

**WHAT TO DO** Even though the pot only needs hag'ala, you may instead kasher it by libun kal by putting it in an oven at 500° F (for this application).

### Process

The Boil Method can be used as:

- Batel BaShishim ("nullifying in 60 times" the volume), or
- Batel BaRov ("nullifying in a majority"--that is, boiling the item in water that is more than twice the volume but less than 60 times the volume of the non-kosher element).

**NOTE** If a pot is hot (over 120° F, or 49° C) when only part of the pot becomes non-kosher, the entire pot is non-kosher and its volume is figured into the volume of water needed for boiling.

**NOTE** For whether the lid becomes non-kosher, consult a rabbi.

In Batel BaShishim, by the actual halacha, you do not need to wait at all before kashering. But the custom is to wait 24 hours--except in extreme circumstances--because it is too hard to figure out 1/60th. In Batel BaRov, you must wait 24 hours.

### The Boil Method: Batel BaShishim

Using batel ba'shishim for the Boil Method is not customary. You may use it for emergencies ONLY; ask a rabbi in this case.

**EXAMPLE** To kasher a spoon with the batel ba'shishim type of hag'ala, immerse the spoon in boiling water of a volume at least the volume of 60 spoons. No waiting is needed before kashering with this method.

## The Boil Method: Batel BaRov

To kasher a pot or utensil by hag'ala using batel ba'rov:

- Clean the pot or utensil well.
- Wait 24 hours after the pot or utensil was last heated to more than 120° F, or 49° C (such as when it was cleaned).

**REASON** Waiting 24 hours allows the taste to become “ruined” and then to be nullified (*batel*) in a majority (*ba'rov*) of boiling water.

**NOTE** During the 24-hour waiting period, you could still “use” the utensil for watering plants, etc., as long as the water remains under 120° F.

- Fill the pot to the brim with water.
- Bring the water in the pot to a boil.
- Cause the water to overflow the entire rim of the pot by:
  - Plunging something hot into the pot (any item that will not cause the water to stop boiling is OK), or
  - Tilting the pot to slosh water over all of the pot's rim.
- Cool off the pot by dipping it in cold water or putting it under cold running water.

**NOTE** If you did not put the utensil under cold water, it is still kosher b'di'avad.

## The Dip Method

To kasher a smaller pot or any other *kasherable* cooking or eating utensil by hag'ala, you may dip the pot or utensil into a large, kashered pot containing boiling water.

- If the pot in which you are kashering the items had been heated to 120° F (49° C), with food of that gender in the pot, or more within the previous 24 hours, the items you are kashering will assume the gender of the pot.
- If the pot in which you are kashering the items had NOT been heated to 120° F or more for at least 24 hours, any items that are kashered in it will become kosher and pareve.

**NOTE** When kashering a utensil by hagala, you may dip it into boiling water one part at a time; that is, you do not need to immerse the entire utensil under the water all at the same time. This is different from doing tevila since for tevila, the entire utensil must be immersed completely.

## Calculating 24-Hour Waiting Time

Once a pot has become non-kosher due to any reason, if it gets heated to 120° F (49° C) or more with any food or liquid in it, you must wait another 24 hours from the latest heating before you can kasher it, since everything inside the utensil becomes non-kosher again.

## Calculating Volume

If only part of a pot becomes non-kosher, as long as the pot was hot (over 120° F, or 49° C), the entire pot becomes non-kosher and its volume gets figured into the volume of water needed for boiling.

### 3. Eruy Rotchim (Hot-Water Pour)

**Process** Pouring hot water over, for example, a sink to kasher it.



**Waiting Time** You must wait 24 hours before kashering by eruy rotchim.

**NOTE** Only items that became non-kosher by being poured onto, may be kashered via eruy rotchim.

**NOTE** Smooth-surfaced wood may be kashered through eruy rotchim (pouring boiling water) but ONLY if it became non-kosher through eruy. If it became non-kosher by being cooked or heated in an oven, it may not be kashered via eruy rotchim.

**NOTE** A wooden cutting board may be kashered if the board is smooth. If it has cracks and crevices, it can be sanded until smooth and then kashered.

Food Nullification: *Meluy V'Eruy*

***Meluy V'Eruy To Kasher Glass***

*Halachically*, “glass” includes Arcoroc, Corelle, crystal, Duralex, and Pyrex.

**NOTE** In pre-war Europe, where glass was expensive and hard to obtain, it was customary to kasher drinking glasses, especially for *Passover*, by soaking the glasses for three 24-hour periods (meluy v'eruy), as follows:

Step 1: Submerge glasses in cold water for 24 hours.

Step 2: Empty water, refill, and submerge glasses again.

Step 3: Repeat Step 2.

**NOTE** If any of these materials were heated directly on a flame or other heat source, they cannot be kashered by meluy v'eruy!