

# Interaction Table A

**Table A. Interaction of pH and  $a_w$  for control of spores in food heat-treated to destroy vegetative cells and subsequently packaged.**

<b><math>a_w</math> Values</b>	<b>pH Values</b>		
	<b>4.6 or less</b>	<b>&gt; 4.6 – 5.6</b>	<b>&gt; 5.6</b>
<b>0.92 or less</b>	<b>Non-PHF*/non-TCS**</b>	<b>Non-PHF/non-TCS</b>	<b>Non-PHF/non-TCS</b>
<b>&gt; 0.92 – 0.95</b>	<b>Non-PHF/non-TCS</b>	<b>Non-PHF/non-TCS</b>	<b>PA***</b>
<b>&gt; 0.95</b>	<b>Non-PHF/non-TCS</b>	<b>PA</b>	<b>PA</b>

**\* PHF means “Potentially Hazardous Food”**

**\*\* TCS means “Time/Temperature Control for Safety Food”**

**\*\*\* PA means “Product Assessment Required”**

# Interaction Table B

**Table B. Interaction of pH and  $a_w$  for control of vegetative cells and spores in food not heat-treated or heat-treated but not packaged.**

$a_w$ Values	pH Values			
	< 4.2	4.2 – 4.6	> 4.6 – 5.0	> 5.0
< 0.88	Non-PHF*/non-TCS**	Non-PHF/non-TCS	Non-PHD/non-TCS	Non-PHF/non-TCS
0.88 – 0.90	Non-PHF/non-TCS	Non-PHF/non-TCS	Non-PHF/non-TCS	PA***
> 0.90 – 0.92	Non-PHF/non-TCS	Non-PHF/non-TCS	PA	PA
> 0.92	Non-PHF/non-TCS	PA	PA	PA

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\*\* TCS means “Time/Temperature Control for Safety Food”

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