



Sample Copy to Boost You on Another Way

100		
The 07	nrincin	le of HACCP are
THE U/	DITICID	ie di liacce ale

Principle 01	Conduct a Hazard Analysis
Principle 02	Identify Critical Control Points (CCP)
Principle 03	Establish Critical Limits for CCP
Principle 04	Establish Monitoring Procedures
Principle 05	Establish Corrective Actions
Principle 06	Establish Record Keeping Procedures
Principle 07	Establish Verification Procedures

The 2nd principle in HACCP is the identify critical control points or CCPs. CCPs are useful for hazard control by...

- Preventing the hazard, OR
- Eliminating the hazard, OR
- Reducing the hazard to an acceptable level

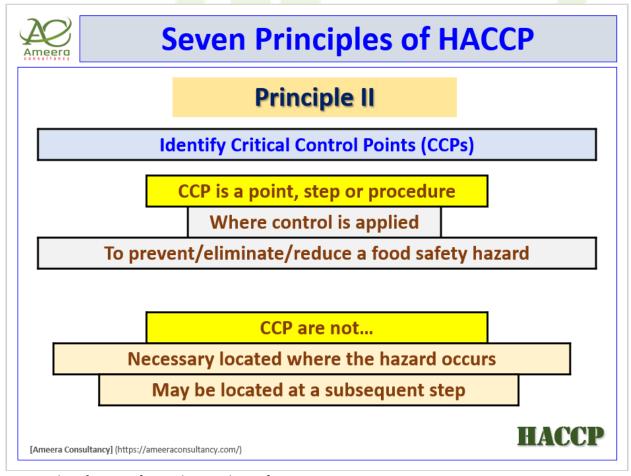


Figure: Identify CCCPs [Critical Control Point]







Acceptable level in the end

The definition of CCP [Critical Control Point] is, "Critical Control Point is a point of step at which the control measure is taken to take the hazard to an acceptable level".

In this step of data construction, an acceptable level will be declared based on each ingredient/processstep and its physical, chemical and biological aspects.

Sample Copy 01

Step No	Ingredient/ Process-Step	No.	Туре	Hazard	Likelihood	Severity	Risk Score	Hazard Type	Acceptable Level
			Р	Debris, Black Particle, Foreign Particle, Fe in dissolve form	1	1	1	In- Significant	Nil
	Deep Tube Well		С	Hardness	1	1	1	In- Significant	≤ 0.05 ppm
			В	Coliform indicator	1	1	1	In- Significant	Nil

Sample Copy 02

	0007 0-								
Step No	Ingredient/ Process-Step	No.	Туре	Hazard	Likelihood	Severity	Risk Score	Hazard Type	Acceptable Level
			Р	Debris, Black Particle, Foreign Particle, Fe in dissolve form	1	1	1	In- Significant	Nil
	ACF		С	Hardness	2	3	6	Significant	CI = Nil (Check with OT solutio n)
			В	Coliform indicator	1	1	1	In- Significant	Nil







Sample Copy to Boost You on Another Way

CCP Decision tree

CCP Decision Tree is a sequence of question by which anyone can determine if the control point is a CCP or not.

PRP, OPRP, CCP all of them are the control measures.

Based on the context of food safety & ISO, a control measure can be defined as an action or activity which can be used to prevent or eliminate a hazard or reduce the hazard to an acceptable level.

PRP/OPRP/CCP declaration Sample Copy 01

Step No	Ingredient/ Process-Step	No.	Туре	Hazard	Q1	Q2	Q3	Q4	Q5	Q6
	Deep Tube Well		Р	Debris, Black Particle, Foreign Particle, Fe in dissolve form	YES	YES	NO	YES	NO	1
	weii		С	Hardness	YES	YES	NO	YES	NO	-
			В	Coliform indicator	YES	YES	NO	YES	NO	-

Step No	Ingredient / Process step	No.	Туре	Hazard	Q1	Q2	Q3	Q4	Q5	Q6	OPRP/ CCP/PRP
	Deep Tube		Р	Debris, Black Particle, Foreign Particle, Fe in dissolve form	YES	YES	NO	YES	NO	-	PRP
	Well		С	Hardness	YES	YES	NO	YES	NO	- ,	PRP
			В	Coliform indicator	YES	YES	NO	YES	NO	/-	PRP









PRP/OPRP/CCP declaration Sample Copy 02

Step No		Ingredient / Process step	No.	Туре	Hazard	Q1	Q2	Q3	Q4	Q5	Q6
				Р	Debris, Black Particle, Foreign Particle	YES	YES	NO	YES	NO	1
		ACF		С	Presence of CI on the water after ACF process	YES	YES	NO	YES	NO	1
		-		В	Coliform indicator	YES	YES	NO	YES	NO	-

Step No	Ingredient / Process step	No.	Туре	Hazard	Q1	Q2	Q3	Q4	Q5	Q6	OPRP/ CCP/PRP
			Р	Debris, Black Particle, Foreign Particle	YES	YES	NO	YES	NO	ŀ	PRP
	ACF		С	Presence of Cl on the water after ACF process	YES	YES	NO	YES	NO		ССР
			В	Coliform indicator	YES	YES	NO	YES	NO	-	PRP



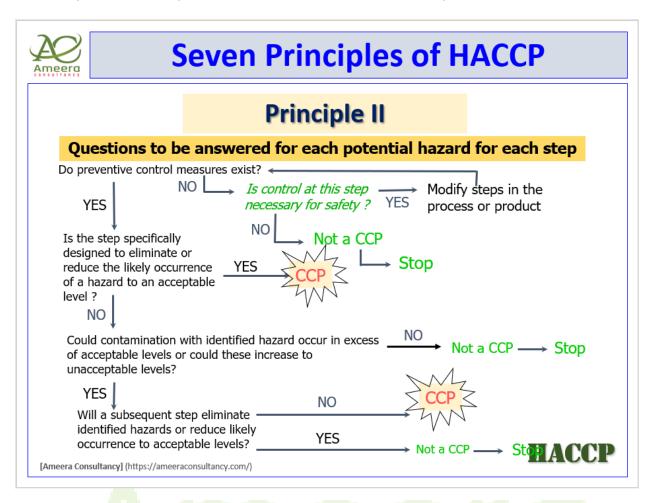






CCP decision tree

The HACCP team must use the CCP decision tree for assisting in evaluation of each of the steps where food safety hazards can be prevented, eliminated or reduced to an acceptable levels.



CCPs are product and process specific. It means that, if the hazard analysis conducted for 02 establishments or industry who are producing the same products, but the CCP can differ. The CCP differing for the same product in different plant must rely on...

- Process flow
- Establishment facility
- Product formulation
- Process equipment's
- Ingredient using
- Supplier condition
- Sanitation facilities
- PRPs (pre requisite programs)
- Other related factors

It should keep in mind that; HACCP team should not use the CCP decision tree before completing the hazard analysis. HACCP team should use the CCP decision tree with proper caution.



Sample Copy to Boost You on Another Way



Comparison within PRP, OPRP & CCP

Critical Control Point [CCP]	Prerequisite Program [PRP]	Operational PRP [OPRP]
Point of absolute control in	The generic controls for any type	Food operation specific
HACCP system	food operation	
		Determined after doing the
Steps in food process that must	Applied in any type of food	hazard analysis
be under control to get a safe	operation to maintain hygienic	
product	environment to reduce the risk	Essential controlling specific
	on food safety	food safety hazard
Intervention used when the		
hazard has a high probability of	It is in operation at all time	Not focused on specific source
existing and the risk level to the		of hazard
consumer is high	HACCP foundation	
		Useful to reduce the likelihood
CCP is the Last, Critical Step or	Having ability to affect the end	in risk analysis
Key Control Operation prevent	product safety if not included in	OPRP can be removed from the
or eliminate a hazard or reduce	food safety system	system & it will not necessarily
the hazard to an acceptable		lead to producing unsafe food
level	Not specific to one step in the	
	process and do not control a	
	specific hazard	

Figure: Comparison within PRP, OPRP & CCP

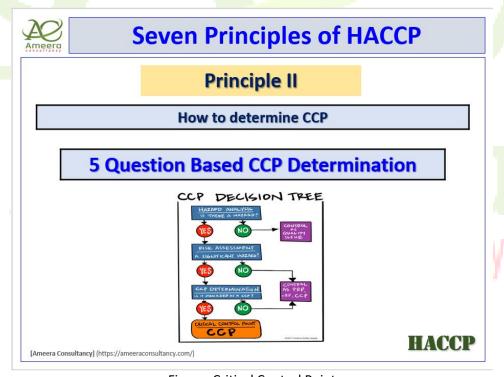


Figure: Critical Control Point