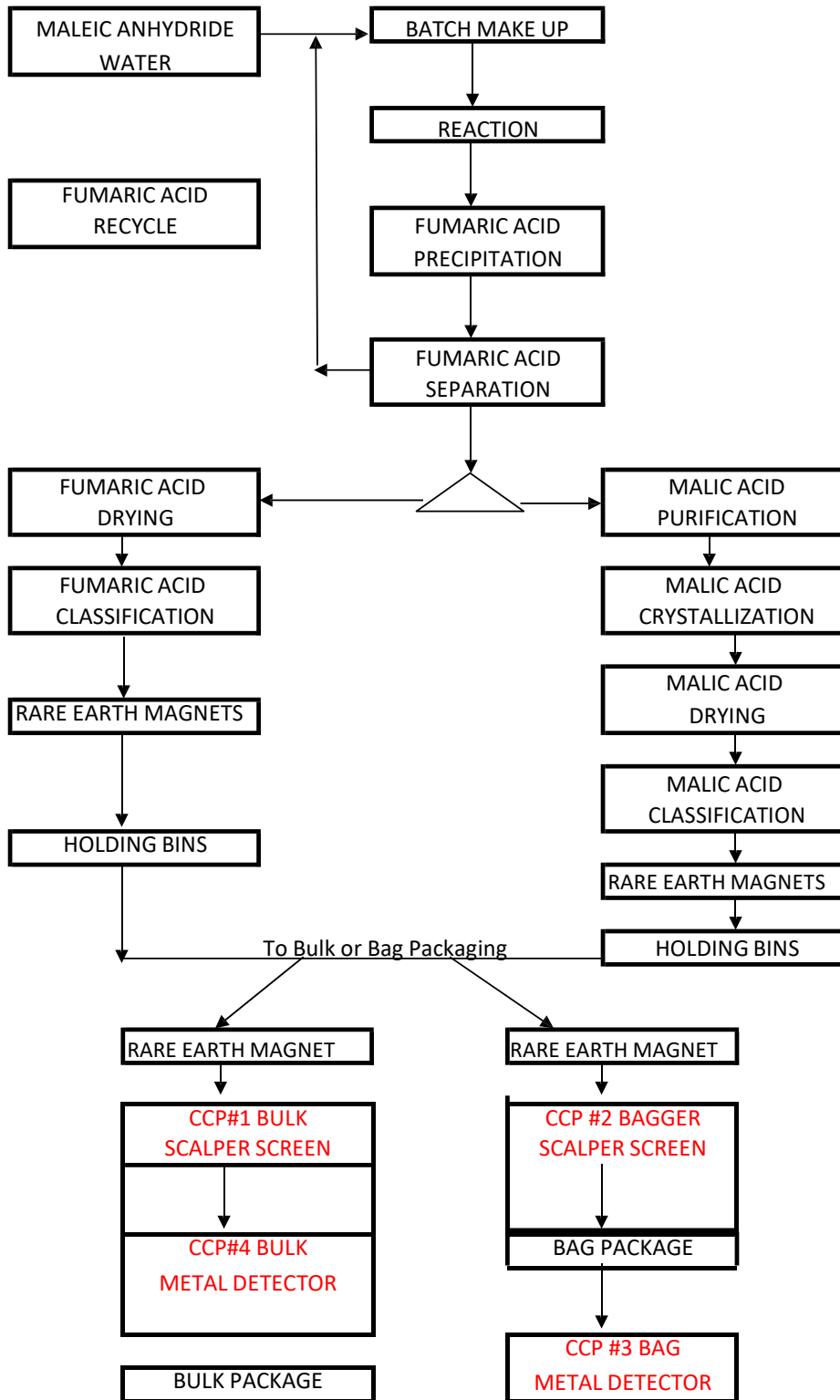




Primary Products Ingredients Americas, LLC – Duluth, MN  
Malic & Fumaric Acid Process – HACCP  
CCP's In RED



01/03/2023

External use permitted



CCP Name	Hazard Description	Monitoring				Critical Limits	Corrective Actions	Verification Procedures
		What	How	Frequency	Who			
CCP #1	Foreign material (metal and non-metal)	Bulk scalper screen	Visual Inspection	Twice a shift	Operator	Foreign material >3mm	Place product on hold from last good check. Product is reprocessed	Supervisor report
CCP #2	Foreign material (metal and non-metal)	Bagger scalper screen	Visual Inspection	Twice a shift	Operator	Foreign material >3mm	Place product on hold from last good check. Product is reprocessed	Supervisor report
CCP #3	Metal	Bag metal detector	Test metal detector with certified test pieces.	Once a shift	Operator	Ferrous $\geq$ 2mm Non-Fe $\geq$ 2mm Stainless Steel $\geq$ 3mm	Place product on hold from last good check. Run all held product through the functioning metal detector.	Supervisor report
CCP #4	Metal	Bulk metal detector	Test metal detector with certified test pieces.	Once a shift	Operator	Ferrous $\geq$ 2mm Non-Fe $\geq$ 2mm Stainless Steel $\geq$ 3mm	Place product on hold from last good check. Product is rejected and reprocessed	Supervisor report

External use permitted