SBS (E222) HACCP Implementation Plan

NO	CRITICAL CONTROL POINT	HAZARD	CRITICAL LIMIT	PREVENTIVE ACTIONS FOR CRITICAL LIMIT	SURVEILLANCE				CORRECTIVE ACTIONS	RECORDS	VERIFICATION	RELATED DOCUMENTS
					WHAT	WHEN	FREQUENCY	WHO				
CCN-1	Raw material acceptance	Chemical contamination in sulfur: Arsenic (As), Selenium (Se) , acidity (as H2SO4) should be within limits. The vehicles should be suitable.	For sulfur; Arsenic (As) content : max. 3ppm (m/m) Selenıum (Se) content: Max. 3ppm (m/m) Acidity (as H2SO4) max 0.1% (m/m)	For sulfur: working with trusted supplier, taking samples from sulfur trucks. Suitability/cleaning of the vehicle. If the conditions are not met, the vehicle is not allowed into the facility and material is returned	Chemical contamination	Analysis	For each lot	Quality Control staff	The process of acceptance of raw material is as follows: samples are taken from the trucks, and analysed. Inconvenient raw materials are not accepted.	Oracle Raw Material Analysis results	Is verified wtih CoAs taken from the supplier on monthly basis	Raw Material Specification (Sulfur-Liquid) (3.004.01.08) Inorganic Salt Facility Material Acceptance and Storage Instruction (ÇT-E.1.7.019) Supplier Evaluation Instruction, Control of the non-conformities, and call-back procedure (P-021) Certificate of Analysis Supplier Declaration
CCN-2	Raw material acceptance	Chemical contamination in soda: Purity (Na2CO3), NaCl content, Na2SO4 content, Heavy metals (**) (as Pb), Iron (Fe) content	For soda: Purity (Na2CO3): min 99% (m/m), NaCl content: max 0.5% (m/m), Na2SO4 content: max 0.4% (m/m), Heavy metals (**) (as Pb): max. 5 ppm, Iron (Fe) content max 20 ppm	For soda: working with trusted supplier, taking samples from soda silobus. Suitability/cleaning of the vehicle. If the conditions are not met, the vehicle is not allowed into the facility and material is returned	Chemical contamination	Analysis	For each lot	Quality Control staff	The process of acceptance of raw material is as follows: samples are taken from the trucks, and analysed. Inconvenient raw materials are not accepted.	Oracle Raw Material Analysis results	Is verified wtih CoAs taken from the supplier on monthly basis	Raw Material Specification Sodium Carbonate (3.004.01.003) Inorganic Salt Facility Material Acceptance and Storage Instruction (ÇT-E.1.7.019) Supplier Evaluation Instruction, Control of the non-conformities, and call-back procedure (P-021) Certificate of Analysis Supplier declaration
CCN-3	Raw material acceptance	Chemical contamination in caustic: Purity (NaOH), Na2CO3 content, Chlorine content (Cl-), Iron content (Fe), Mercury (Hg)	Chemical contamination in caustic: Purity (NaOH),: 46%-50% (m/m) Na2CO3 content max 0.75% (m/m) Chlorine content (Cl-), max 0.0060% (m/m) Iron content (Fe), max 10 ppm Mercury (Hg) max 0.5 ppm	For caustic: Caustic analysis in Chlorine-Alkali Facility (quality control) For caustic supplied from 3rd parties analysis based on samples taken. Suitability and cleaning of the vehicles. If the conditions are not met, the vehicle is not allowed into the facility and material is returned . For the caustic taken from Chlorine-Alkali facility, the material is not stored in raw material tanks in case of non-conformity.	Chemical contamination	Analysis	For each lot	Quality Control staff	The process of acceptance of raw material is as follows: samples are taken from the trucks, and analysed. Inconvenient raw materials are not accepted.	Oracle Raw Material Analysis results	For caustic, analysis are run by an external laboratory annually	Raw Material Specification Sodium Hydroxide (3.004.01.05) Inorganic Salt Facility Material Acceptance and Storage Instruction (ÇT-E.1.7.019) Supplier Evaluation Instruction, Control of the non-conformities, and call-back procedure (P-021) Supplier declaration
CCN-4	Storing of the solution to T191 Transfer Tank and Dilluting (33%-36.5%)	Physical Contamination	Robustness of the filter	Filtering	Phsyical contamination	Observation	Bi-monthly	Field Operator	Visual inspection and recording	Food Management Management System Sieve Control Form, Maintenance Records	Periodic controls by maintenance staff once every three months	Food Management Management System Sieve Control Form, Maintenance Records