



AGRICULTURE AND FOOD DEVELOPMENT AUTHORITY

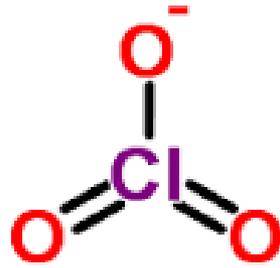
The Irish Agriculture and Food Development Authority

Milk & Product Quality Forum



Workshop on Chlorate in Milk & Dairy Products

17th February 2016

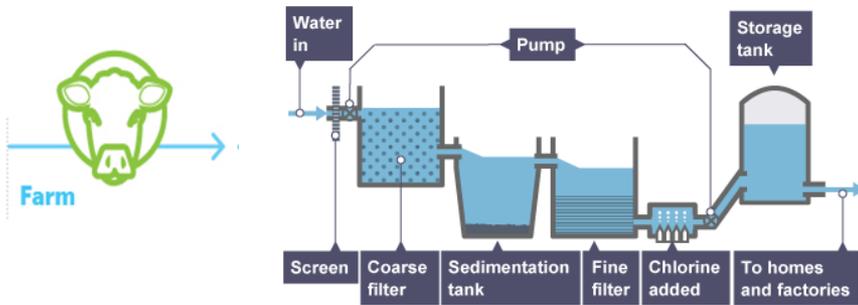


- EFSA 2015 Report::
Risk for Public Health Related to the Presence of Chlorate in Food
 - Methaemoglobin was identified as the critical acute effect of chlorate
 - Tolerable Daily Intake (TDI) was not exceeded by adolescents and adults, but could be exceeded by infants and toddlers
 - Makes it an issue for the Dairy Industry

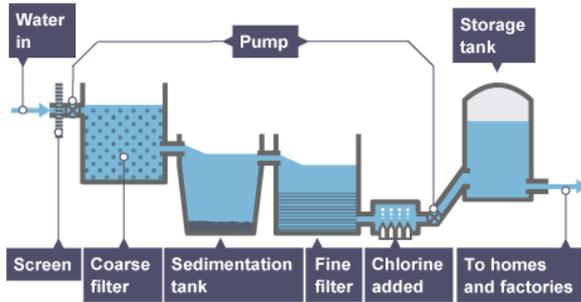
Source of Chlorate in the Dairy Industry?



- Chlorine is widely used as a disinfectant to treat water and as a plant sanitizer



Source of Chlorate in the Dairy Industry?



Today's Workshop



- Industry Stakeholder Group
- Expertise in chlorine chemistry, detergents, production and processing
- Assembled data collected by different company stakeholders which will be shared anonymously

- Key Questions:
 - Source
 - Measurement
 - Control

- Key Outcomes:
 - Identification of actions required to control chlorate levels in milk and dairy products

Agenda

09:50 - 10:00	<i>Tea/Coffee</i>
10:00 - 10:10	Tom Beresford (Teagasc) Welcome and introduction
10:10 - 10:30	Martin Danaher (Teagasc) Regulations governing chlorates in food & Methodology for detection
10:30 - 10:40	Simon Lawrence (UCC) The chemistry of Chlorates
10:40 - 10:50	Karl McCarthy (karl.mccarthy@biocel.ie; Biocel Ireland) Chlorates in Detergents
10:50 - 11:00	David Gleeson (Teagasc) Chlorate analysis - results from Moorepark
11:00 - 11:15	Mark Fenelon (Teagasc) Chlorates in milk and in milk processing
11:15	<i>Open Discussion</i>