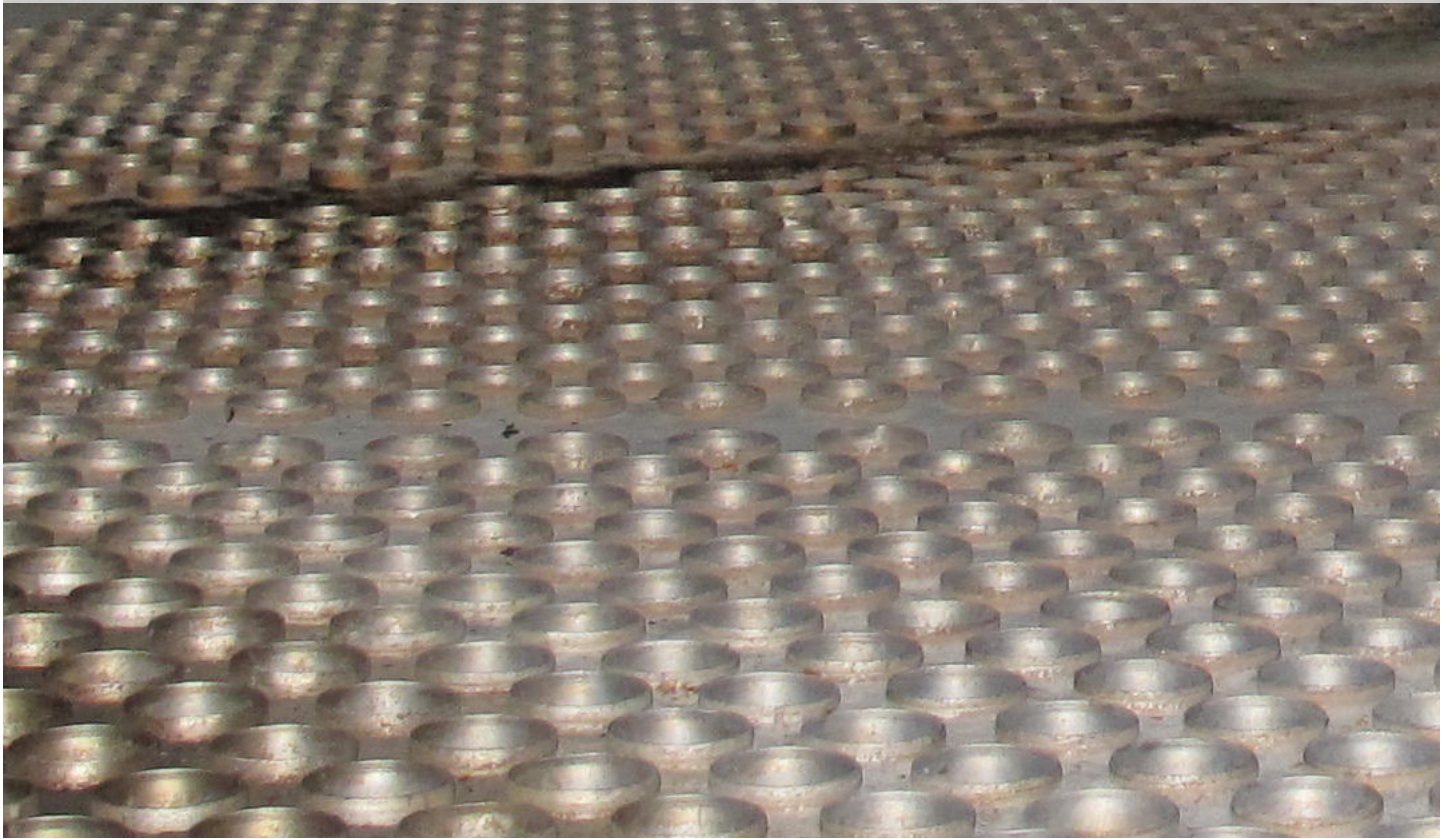


# SRI Scale Analysis and Chemical Cleaning



**Sugar Research Institute provides advice and services to sugar mills for scale analysis and chemical cleaning of equipment.**

SRI's specialist technologists provide bulk and cross-sectional scale analyses of sugar factory evaporators, heaters, vacuum pans and reheaters.

The chemical composition of a deposit is the first step in understanding the processes that lead to scale formation and provides information on how to effectively inhibit or chemically remove it.

Our technologists have developed techniques that predict scale formation on heating surfaces, and can identify and recommend effective chemical cleaning regimes based on the scale composition.



## SRI scale analysis and chemical cleaning services

SRI determines the composition of scale and provides recommended procedures for effective chemical cleaning of factory equipment.

SRI's scale analysis and chemical cleaning services include:

- Specification of chemical cleaning procedures
- Development of industrial process chemical cleaning formulations
- Recommendations on chemical plant set up
- Evaluation of scale inhibitors
- On-site consultations to prepare chemical dosing plans
- Description of chemical cleaning dosing plants

## Analytical tools

SRI's technologists use a range of analytical tools including:

- X-ray powder diffraction
- X-ray fluorescence
- Scanning electron microscopy
- Fourier transform infra-red spectroscopy
- Raman spectroscopy
- Inductive coupled plasma-mass spectroscopy or optical emission spectroscopy
- High performance liquid chromatography

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## ENQUIRIES

To request more information or a proposal contact Sugar Research Institute

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