

Ferco

Scientific

ProcessChecker

Salt

S  
A  
Salt  
Soda  
Cau  
Mac

### Input

Salt, g/l	10.0	Recipe
Liquor ratio, l/kg	5.5	After alkali
Fabric weight, kg	258	
Machine type	Brazzoli	
Machine size	300	
Alkali volume, %	50	
Conductivity	17	Measurement

### Output

Salt before alkali, g/l	10.9	Recipe
Bath before alkali, l	1304	Recipe
Bath before alkali, l	1107	Measurement
Bath after alkali, l	1419	Recipe
Alkali, l	115	In side tank
LR before alkali, l/kg	5.1	Recipe

### Results

Actual salt, g/l	12.8
Actual liquor ratio, l/kg	4.3
Error, %	18
Salt to be added, kg	0.0
Water to be added, l	197

**Fail**

Settings

# ProcessChecker

Process control software

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## Application Area

Exhaust dyeing of cotton and other cellulosic fibres like viscose and linen

## What is ProcessChecker?

ProcessChecker is an instrument to ensure that liquor ratio, salt concentration and pH of each lot are within tight tolerances. If the dyebath fails the analysis, the required amounts of water, salt and/or alkali are calculated.

## Benefits

- Increased colour reproducibility
- Tight control of liquor ratio, salt concentration and pH
- Operator training in 5 minutes

The screenshot shows the 'Alkali' section of the software. Under 'Input', there are two fields: 'Dyebath, l' with a value of 1000.0 and 'pH' with a value of 10.5. Below these are labels for 'Recipe' and 'Measurement'. The 'Results' section shows a table with two rows: 'Soda ash required, kg' with a value of 0.0 and 'Caustic soda required, kg' with a value of 0.6. A large red 'Fa' is visible on the right side of the interface.

## Features

- Pass/Fail analysis
- Customisation with company-specific data
- Suitable for single and mixed alkali
- Suitable for common salt and Glauber's salt
- Suitable for any PC or tablet running Windows 10 or Windows 10 IoT

## Contact

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