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# **senaite.panic Documentation**

*Release 2.0.0*

**Riding Bytes  
Naralabs**

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This add-on enables panic level alerts for **SENAITE LIMS** by means of the integration of panic ranges in Analysis Specifications. **senaite.panic** adds two sub-fields *min\_panic* and *max\_panic*: when the result of an analysis falls outside the valid range and below *min\_panic* or above *max\_panic*, a warning message is displayed next to the analysis and an informative panel in Sample's view as well. From this informative panel, lab manager can easily send an e-mail notification to the client contact, as well as to other key personnel.

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# CHAPTER 1

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## Installation

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Add `senaite.panic` in the eggs section of your buildout:

```
eggs =
    senaite.lims
    senaite.panic
```

Run `bin/buildout` afterwards.

Once buildout finishes, start the instance, login with a user with “Site Administrator” privileges and activate the add-on:

[http://localhost:8080/senaite/prefs\\_install\\_products\\_form](http://localhost:8080/senaite/prefs_install_products_form)

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**Note:** It assumes you have a SENAITE zeo client listening to port 8080

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This section gives an introduction about `senaite.panic`. It assumes you have `SENAITE LIMS` and `senaite.panic` already installed. Please read the *Installation* for further details.

## 2.1 Panic settings

Visit the control panel view for `senaite.panic` to configure the settings. This control panel is accessible to users with *Site Administrator* role, through “Site Setup” view, “Add-on Configuration” section:

<http://localhost:8080/senaite/@@panic-controlpanel>

### SENAITE PANIC Settings

#### Email alert subject

Template text for the panic alert email's subject. The accepted wildcards are: `${sample_id}`, `{client_sample_id}` and `{client_id}`

Some results from Sample `${sample_id}` exceeded panic range

#### Email alert body template

Template text for the panic alert email's body. The accepted wildcards are: `${analyses}`, `${lab_address}`, `${sample_id}`, `{client_sample_id}`, `{client_id}` and `${sample_url}`

Some results from the Sample `${sample_id}` exceeded the panic levels that may indicate an imminent life-threatening condition:

`${analyses}`

--

`${lab_address}`

Save

Cancel

From this view you can configure the subject and e-mail to use for notifications when the results are below the minimum panic value or above the maximum panic value. Several wildcards like `${analyses}`, `${lab_address}`, `${sample_id}`, or `${sample_url}` are supported.

## 2.2 Adding panic levels

To add panic levels, click to the “gear” icon from top right, go to “Analysis Specifications” view and either choose one or create a new one. In the “specifications” section, choose the analysis, locate the columns “Panic < Min” and “Panic > Max” and type the desired values.

Analysis	Panic < Min	Panic > Max
Hemoglobyn	10	25

## 2.3 Results in panic

When a result with a value that is either below the “Min panic” value or above the “Max panic” value set in the specifications, the system displays a red alert icon next to the result:

Lab Analyses

Valid Invalid All

<input type="checkbox"/>	Analysis	Analyst	Status	Result	Specification	+/-	Retested	Attachments	Captured	Submitter	Due Date	Hidden
<input type="checkbox"/>	Hemoglobyn	admin	To be verified	27 g/dL	[14;18]		No		2020-10-15	admin	2020-10-15	<input type="checkbox"/>

## 2.4 Email notification

When a result is “in panic”, a notification panel is displayed at the top of the sample view prompting the user to send an e-mail notification to the client contact the sample is assigned to:

**Warning** ×

Some results exceeded the panic levels


Alert client about panic levels exceeded

VB-0001



When the button is clicked, an e-mail form is displayed and auto-filled with the subject and template created in the Panic Settings view:

Alert client about panic levels exceeded ✕

 **Alert client**

Some values exceeded the panic levels. Send an email to the clinic or close this window if you want to re-test to confirm the panic value.

Subject

Some results from Sample VB-0001 exceeded panic range

To

Starr Steffy <starr.steffy@example.com>, 1 Military Hospital <1mil@example.com>

Body

Some results from the Sample VB-0001 exceeded the panic levels that may indicate an imminent life-threatening condition:

Hemoglobyn (Hb)  $\geq$  25.0 g/dL

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### 3.1 2.1.0 (unreleased)

- #4 Fixed import for schema extender ExtBooleanField

### 3.2 2.0.0 (2020-10-15)

- Fix Traceback when rendering the Email popup
- Do not display the panic viewlet if user does not have ViewResults permission
- Hide panic icon in analysis listing when no ViewResults permission
- Compatibility with senaite.lims 2.x
- Fix wildcard mappings in email body and subject
- Fix Traceback when CC Contacts on panic alert notification

### 3.3 1.0.0 (2020-02-09)

First version



## CHAPTER 4

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### License

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