

Date: November 30, 2023

Ref: MRAA-9101

Dear Customer,

Field Safety Notice

Affected Products:

SPD-40 CL

Description of issue (Reason):

Our recent investigation on the performances of UV-VIS detectors (models: SPD-40 CL) found that, in some specific analysis conditions, the effect of the stray light (light that other than the measuring wavelength) could be increased for some specific wavelengths.

This problem will affect the following cases:

SPD-40 CL Wavelength: 371 ~ 700 nm

The cause of this problem is the secondary light cut-off filter, which cuts off stray light, was not properly inserted.

Due to the influence of stray light, there is a possibility of decreasing in peak height and area values. Additionally, if the sample, solvent, or mobile phase has an absorption in the UV range, it may result in the appearance of ghost peaks.

These may affect the quantitative results and purity test results. There have been no reports of it occurring on Clinical model, SPD-40 CL till now.

How to identify the affected products:

If you use SPD-40 CL under the setting wavelength from 371 to 700nm, please contact our sales representative or distributor.

Corrective action plan by Shimadzu:

We prepared modified firmware to correct this problem. The next version of the firmware is Version 1.12

Actions to be taken by customer:

If you use of SPD-40 CL with setting wavelength 371 ~ 700 nm without updating firmware Version 1.12, this problem will occur.

To ensure proper insertion of the secondary light cut-off filter, please change the wavelength once after starting up the device before conducting the analysis. (Please refer to the instruction manual about the operation of changing wavelength.)