|  |  |
| --- | --- |
| **HPLC Column** | |
| Page | https://arna.cpplgmp.com/#/master/hplc |
| Reference Documents | SOP-202-05 HPLC and LC-MS Column Use Procedure  LB-017 HPLC Column LogBook |
| Notes | Fields Required for Registration of a New Column (https://arna.cpplgmp.com/#/qc/hpl/inward)   * Column Number (Next available number to be assigned automatically) * Manufacturer * Type * Model Number * Serial Number * Packing Material * Dimension (Length by Internal Diameter) (rather than Length) * Date Received * Upload CofA * Entered By * Checked By * Packing Material, Dimensions, Manufacturer, Model Number should be automatically filled after entry of Type. * Approved Column Types are to be included in the list of Approved Laboratory Chemicals and Consumables List (FM-186).   ??Development columns??  \*Once new column is registered, it would be good to identifying as “New” or “Unused” until its first use when viewing log of HPLC Columns.  Fields Required for Initial Use:   * Date of Equilibration * Equilibration Time * HPLC Tag * Calibration Due Date * Performed By * Date of Sequence * Sequence Name * Test Method * Initial Plate Count * Initial Pressure * Performed By * Checked By (Equilibration and Initial Use)   \*After first use, update to identify as “In Circulation” or “In Use”?  For routine use of columns, each routine use (sequence or single injection) should be able to be tracked through HPLC usage procedures.  \*\*When HPLC Sequence Form is created, included option to record column status at end of sequence.\*\*  \*\*A screen is required to document column regeneration with the following fields:   * Column Number * Date of Regeneration * HPLC System Tag * Calibration Due Date * Solvent * Flow Rate * Regeneration Time * Performed By * Checked By   There will also need to be a check of column performance after column regeneration prior to return to use, done through single injection system. ??Include as part of the purpose in single injections ‘check after column regeneration’.  A screen will need to be available for disposal of columns: (https://arna.cpplgmp.com/#/qc/hpl/discard)   * Column Number * Date of Disposal * Comments / Reason for Disposal * Performed By * Checked By   \*After disposal, column status to be updated to “Disposed”.  Would be good to see overall log of columns. |
|  | LB-017 is our current column log which covers all aspects of column management (excluding regeneration which is documented on labels on the column boxes).  Within the PLGMP system, the log could be simplified to the following columns:   * Column Number * Type * Date of First Use * Initial Plate Count * Latest Plate Count * Status (e.g. Unused, Regeneration Required, Available, Disposed etc)   Example Pages of LB-017-01: |