

## How to determine concentration of an impurity in HPLC with the relative response factor RRF – How to

The concentration can be calculated once you have values for the following two equations:

Response Factor (RF) = Peak Area / Concentration

Relative Response Factor (RRF) =  $RF_{impurity} / RF_{API}$ 

You can use RRF and  $RF_{API}$  to solve for  $RF_{impurity}$ . Then you can use the measured peak area of the impurity to solve for its concentration.



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