

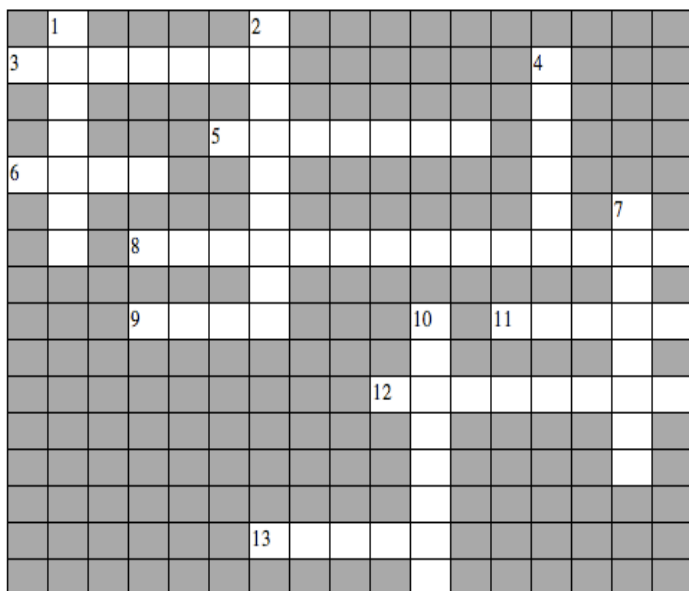
cGMP

FDA Registered

GLP

Sherlock Speaks...

Greetings! I hope everyone is getting as excited for summer as I am. It is about time it shows up! As you have most likely guessed, I love puzzles! To continue the trend, I have put together this crossword puzzle.



Across:

3. The compound being separated
5. Formed in a linear accelerator
6. These are analyzed in a MS
8. Separation of mixtures by a column
9. Bill has written articles on this topic
11. One of the "flavors" of quarks in elementary physics
12. Subatomic particle with a negative charge
13. This noble gas has an atomic number of 18

Down:

1. Third law of thermodynamics
2. MS, DAD, FID are examples.
4. Constricted gas used in ICP-MS
7. Katz Analytical Sniffologist
10. F, Cl, Br, and I are examples.

Solve the Puzzle

The first person to correctly solve the crossword will receive two tickets to a Minnesota Twins game. Please e-mail your response to Sherlock:

Sherlock@katzanalytical.com

New Faces at Katz

Megan Carlson, worked with Katz Analytical last year as an intern. She is now working as a full time employee after graduating from Winona State University with her degree in chemistry. She will be working as a lab analyst, along with doing



business development. Outside of the lab, Megan loves going boating on the St. Croix, downhill skiing, baking and Wild/Gopher

Wendy Fleming, has recently joined Katz Analytical as Director of Technical Marketing where she will be interfacing with clients to meet their technical needs. Wendy brings over 15 years of analytical chemistry experience supporting a variety of industries that include biomedical and pharmaceutical. On the side,



she is busy as a Realtor® with Edina Realty and shuttling kids back and forth to hockey.

WHAT'S REALLY IN THOSE PRODUCTS?

Over-the-counter (OTC) drugs are medicines sold directly to the consumer without a prescription from a health care professional as compared to prescription drugs. Such products include herbal products, botanicals, nutraceuticals, and dietary supplements and together make up an estimated \$4 billion/year market. Unlike prescription drugs, OTC products are usually regulated by active pharmaceutical ingredients (API), not final products, allowing manufacturers freedom to formulate ingredients or combinations of ingredients into proprietary mixtures. For example, there are several dozen different Tylenol formulations with a vast array of ingredients. Another example is Maalox; some products contain aluminum and magnesium hydroxides, while others contain calcium carbonate. With hundreds of thousands of such products based upon hundreds of different active ingredients and available in stores ranging from pharmacies to gas stations, there is no wonder why today's consumer is asking for as much information as possible in order to make a safe and informed choice.

Probably the most powerful technique currently available for pharmaceutical analysis is High Performance Liquid Chromatography (HPLC) coupled with mass spectrometry (MS): LC/MS.

Please contact one of our technical staff to discuss how we may assist you in obtaining a better understanding of these types of products: 651-493-8832 or www.katzeanalytical.com