

April 2, 2014

Dye Purity and Dye Usage

To Whom It May Concern,

Roha USA LLC hereby declares that all synthetic dyes that are permitted for use by the FDA are certified by the FDA and can be certified up to 100% pure dye.

Generally visual differences do not exist for batches that differ by +/- 5%; however, going beyond that some differences may be noted depending on usage rate and application. To mitigate the affect of pure dye it is recommended to adjust the color usage rate in the following matter:

Using 90% pure dye as the standard, divide this by the pure dye of the batch currently in use (example current batch is 95% then $90/95 = 0.947$ thus 0.947 pounds of the 95% batch has the equivalent strength of 1 pound of the batch that is 90% pure dye.

Likewise if a batch is certified as 87% pure dye then $90/87 = 1.03$, thus 1.03 pounds of this batch is equivalent to 1 pound of 90% pure dye.

Sincerely,

Michael A. Huber
Regulatory Support

