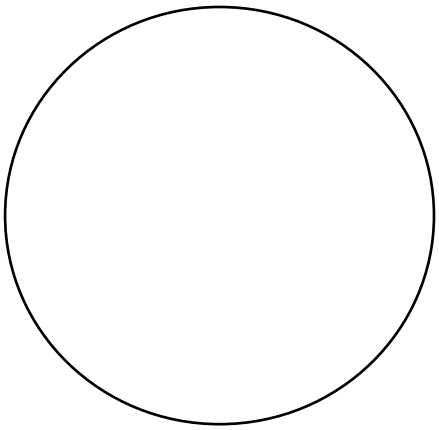
UWTSD BLENDED COLOUR DYE LAB NOTES

Total Dye Powder Weight for the Recipe

…… % Depth of shade ÷ 100 X ……. dry fabric = grams of …… dye powder

Choosing colour blend proportions:



…….. **g total dye powder weight for recipe ÷ YOUR TOTAL COLOUR PROPRTIONS =**

…….…… **g dye powder per proportion**

…… parts …….…… x ……. = ……. g

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…… parts …….…… x ……. = ……. g

TOTAL =

Auxiliaries

0.05 X …… dry fabric = …… mls Acetic Acid @ 20% strength

0.2 X ……. dry fabric = …….. grams of glaubers salt

Water

50 X …….. dry fabric = …… mls of water

Shading & Making Dye Stocks

When dying paler depths of shade, or blending colour proportions, it can sometimes be difficult to weigh and measure a tiny volume of dye stuffs.

NOTE: THE SCALES GENERALLY WILL ONLY WEIGH IN INCREMENTS OF 0.1, 0.2, 0.3, 0.4, 0.5…

To combat this we can create a dye stock solution. Dye stocks are made up of a small amount of dye and water, thus diluting the concentration of colour.

For example:

0.1 gram of dye	into 10mls of hot water	0.1 ÷ 10 = 0.01 g of colour per ml
	into 100mls of hot water	0.1 ÷ 100 = 0.001 g of colour per ml
	into 1000mls of hot water	0.1 ÷ 1000 = 0.0001 g of colour per ml

The above examples of dye stock solutions will mean that for every 1ml of liquid you will have a more dilute concentration of colour. This can be measured using a syringe and added to your overarching recipes.