

# GNA - LABORATORY TEST METHODS



## GNA003

### SAMPLE PREPARATION FOR GNA pH TESTING

#### AIM OF THE TEST:

To produce samples of the inks for external testing. The samples need to be prepared in accordance with Bureau Veritas requirements as well as GNA. **Please note** that these requirements are frequently adjusted - before carrying out the work please confirm the method with GNA via the website and Bureau Veritas.

#### EQUIPMENT:

- Manual printing press (e.g. M&R SIDEWINDER™ )
- Quartz Flash Cure Unit (e.g. M&R RED CHILI model D™)
- Dryer (e.g. M&R SPRINT® 2000 SERIES Screen Printing Conveyor Dryer)
- White woven 100% cotton
- Envelope / plastic wallet

#### PROCEDURE:

**Please note:** It is best to request fresh samples of required product or use the most recent retain.

1. Record the batch number of the product used.
2. Print using the below method:  
**FABRIC:** White woven 100% cotton  
**SCREEN:** 43T  
**PRINTING CONDITIONS:** 2 strokes / flash / 2 strokes  
**FLASH CONDITIONS:** 4 seconds at 100°C  
**CURING:** at 165°C for 2.5 minutes  
**Please note:** For special effects products do not apply any glitter, flock or foil.
3. BV requires 2-3 grams of the print to carry out their testing. Make sure your prints weigh around 3 grams.
4. Place each prints separately into an envelope or plastic wallet. Label with the product name (same exact name as on the product's label) and the batch number. Put all into a big plastic wallet and label with the test name (e.g. pH testing)