

PDA Visual Inspection Trainings Course

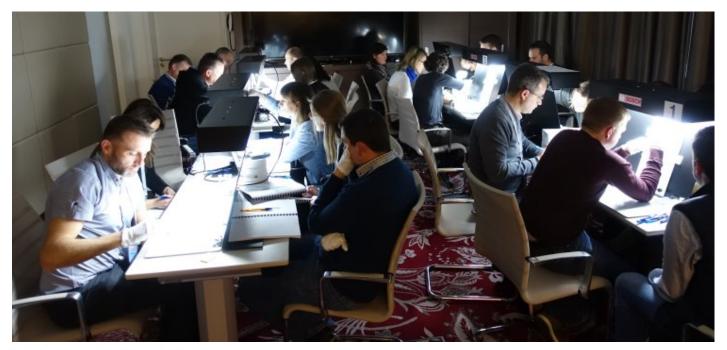
Hands on basic instructions

Markus Lankers, PhD May 2019

Connecting People, Science and Regulation

Goal of the Experiments

- Identify important parameters
- •Recognize behavior of different particles
- •It's hard to be an inspector even for half a day



PD/



- Test set contains 28 vials
- Blanks and rejects
- Every Inspector has to inspect all 28 vials in each experiment
- Patiently wait until the class is ready to move on to the next experiment





Documentation

PARTICLE INSPECTION DATA SHEET #1: Normal Inspectio	PARTICLE	INSPECTION	DATA	SHEET	#1:	Normal	Inspectio
---	----------	------------	------	-------	-----	--------	-----------

Inspector:	Test Set ID:		
Inspection Station:	Illumination Intens	sity:lux	
FULL Illumination Intensity	WITH Agitation	5 Sec/Background	

Vial Number	Ø				
viai Number	Reject	Accept			

- Write down your name on the data sheet
- Write down 3 digit number of the vial and your observation
- Write down Test set number
- Each inspector has to write down the inspection results for the entire set of 28 vials
- Write clearly















Switch on both lamps

Measure light intensity. Mark a position at ~ 3000 Lux

Mark a position at ~ 3000 Lux





Tools





Post-

PDA[®] Prestreat Drig Association



 Just listen to the metronome while inspecting to get the right timing

Remove cover from

Select measurement



PDA

sensor

range



- Two vials off each set (marked with a dot) contain easy to observe particles
- Make yourself familiar with swirling and inverting for a couple of minutes with these vials to practice the particle detection



• Try swirling and inverting













Inspect at marked position

Inspection time 5s black, 5 s white background Swirl or invert

Record result











Inspect at marked position

Inspection time 10s black, 10s white background Swirl or invert

Record result

Exp.3: Reduced Light intensity -Setup of the instrument









Switch off one lamp

Measure light intensity

Mark a position at ~ 3000 Lux











Inspect at marked position

Inspection time 5s black, 5 s white background

Swirl or invert

Record result











Inspect at marked position

Inspection time 5s black, 5 s white background No Swirling or inverting Record result