



INDUSTRIAL CLEANING MONITOR (ICM)		P-02-K-UK	
Application area: all laundry processes	Page	1 of 2	
	Date:	060828	
	WVS version	V02	
EXTERNAL PROCEDURE CCD			
Requirements: One set model soil and stain monitors, type ICM-W1 consisting of 6 monitors with 4 types of stains attached: oil/pigments, food, bleachable and protein/blood			
Procedure: <ul style="list-style-type: none">- open the package just before use. Use the complete set for measuring 1 process- spread all the cloths over one load in one compartment (CBW: one at a time during loading)- avoid any stagnation during the process- remove the ICM immediately after the process from the load, try to avoid the dryer- press, calender or let dry the cloths until just dry (fi. between two cloths, the stains should not contact the hot surface of press or calander) Record the required information on the supplied form. When the ICM is dry, return it immediately. Use this address: CCD bv., P.O. Box 722, NL-2600 AS DELFT, THE NETHERLANDS			
Details: We will send you the results as soon as possible. When handling has not taken place according to the correct procedure, the controller is not analysed because the results will not be reliable. It is also possible to measure the results yourself. A tristimulus reflection analyzer is required. Follow the procedure on the next page.			



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Measuring: <p>The tristimulus blue remission is measured with a calibrated tristimulus analyser (TRA). Place the 6 monitors on a pile in such a way that each stain/soil is lined up (stamp side monitor up).</p> <p>Measure the blue remission of the 4 soil types in Z-shape order (oil/pigments, food, bleachable and then protein/blood). After measuring the monitor on the top of the pile, place this monitor on the bottom and measure the next monitor. Continue until all 6 monitors are measured.</p> <p>The remission values are noted down in round figures.</p>			
Calculation: <p>Calculate the average and standard deviation (δ_{n-1}) of the six measurements for each soil type separately.</p> <p>The score is calculated as a percentage of the average divided by the reference value.</p> <p>The reference values are established for each (production) batch separately and are supplied with each box of monitors.</p>			
Details: <p>The reference process is an industrial process for (lightly soiled) fi. hospital laundry.</p> <p>Targets can be derived from the reference values for individual processes depending on the soiling of the specific laundry type.</p>			