

METHOD SUMMARY – QWI-FM0117



Method Title	Swabbing Total Yeast and Mould Enumeration Swabs - BP		
Document number	QWI-FM0117	Date Issued	4 th June 2019

Method External References	<p>British Pharmacopoeia Current Edition - Appendix XVIB Tests for Microbial Contamination Section B</p> <p>AS 5013.11.1-2018 Food Microbiology - Microbiology of the food chain – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – General rules for the preparation of the initial suspension and decimal dilutions (ISO 6887-1:2017, MOD)</p> <p>AS 5013.14.1-2010 Food Microbiology - Microbiology of food and animal feeding stuffs - General rules for microbiological examinations</p> <p>AS5013.5-2016 Microbiology of the food chain – Horizontal method for the enumeration of microorganisms – Colony count technique at 30°C by the pour plate technique</p>
Matrix	As listed on NATA Scope.
ALS Department	<input type="checkbox"/> Pharmaceutical Chemistry <input type="checkbox"/> Water Microbiology <input checked="" type="checkbox"/> Food Microbiology <input type="checkbox"/> Pharmaceutical Microbiology <input type="checkbox"/> Food Chemistry
Accreditation Status	<input checked="" type="checkbox"/> NATA <input type="checkbox"/> NON-NATA <input type="checkbox"/> N/A
Analysis technique	<input type="checkbox"/> HPLC <input type="checkbox"/> GC <input type="checkbox"/> Wet Chemistry <input type="checkbox"/> Physical <input type="checkbox"/> Gravimetric <input type="checkbox"/> Qualitative <input checked="" type="checkbox"/> Pour Plate <input type="checkbox"/> Spread Plate <input type="checkbox"/> MPN <input type="checkbox"/> Filtration <input type="checkbox"/> Petrifilm <input type="checkbox"/> EHS <input type="checkbox"/> ELISA <input type="checkbox"/> VIDAS UP <input type="checkbox"/> VIDAS <input type="checkbox"/> Other (please specify): _____
Method Scope	<p>This method documents the procedure using the principles documented in the BP, for the evaluation of yeast and mould in swabs using the pour plate technique. This method applies to swabs taken during the verification of a cleaning process or other processes from a food manufacturer.</p> <p>Chloramphenicol is added to the medium to suppress interfering organisms.</p>
Method Principle	This method estimates the number of yeast and mould present on an environmental / hygiene swab capable of growing on Sabouraud Dextrose Agar (SDA) at an incubation temperature of 25 ± 1 °C for five (5) days.
Reporting Unit	Yeast and Mould CFU per swab
LOR/LOQ	<10

Minimum amount of sample required for analysis	1 swab	Turnaround time	5 days
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Author:	Document Controller	Date:	29 th August 2019
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