

METHOD SUMMARY – QWI-FM0109

Method Title	WILD YEAST – PRODUCTS FROM BREWING PROCESS - FILTRATION		
Document number	QWI – FM0109	Date Issued	2 nd May 2017

Method External References	Oxoid Manual 2004 Australian Society of Brewing Chemists Microbiological Techniques – Media and Reagents 1997		
Matrix	Brewing products		
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 type="checkbox"/> NATA <input checked="" 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 type="checkbox"/> Pour Plate <input type="checkbox"/> Spread Plate <input type="checkbox"/> MPN <input checked="" 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"/> TEMPO		
Method Principle	<p>This method documents the procedure for the recovery and enumeration of wild yeasts in brewing products (where high counts of culture yeasts are expected) capable of growing on MYGP + copper sulphate at an incubation temperature of 30 °C. 10 mL of unpasteurised sample or 100 mL of pasteurised sample is filtered. The filter is placed onto a pre-poured plate of MYGP with copper sulphate. Plates are incubated at 30 ± 1 °C for 3 days. Typical micro-organisms are counted and reported per volume of sample analysed.</p>		
Reporting Unit	cfu per volume tested		
LOR/LOQ	< 10		

Minimum amount of sample required for analysis	Minimum of 100 mL	Turnaround time	3 days
--	-------------------	-----------------	--------

Author:	Document Controller	Date:	29 th August 2017
Authorised By:	National Quality Manager	Date	29 th August 2017