

METHOD SUMMARY – QWI-FM0039

Method Title	Thermophilic Plate Count - Enumeration - IN HOUSE		
Document number	QWI-FM0039	Date Issued	27 th June 2017

Method External References	AS 5013.1 (2004): Food Micro - Examination of specific organisms – Standard Plate Count		
	AS 1766.3.16.12.2 (1994): Food Micro - Examination of specific products - Long shelf life dairy products in hermetically sealed containers		
	AS 5013.14.1 (2010): (Temperature of molten PCA) Food Microbiology - Microbiology of food and animal stuffs - General rules for microbiological examinations		
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"/> TEMPO		
Method Principle	This test is designed to determine whether a sample complies with as established specification for microbiological quality. Serial dilutions are prepared, 1 mL aliquots of each dilution are transferred into petri dishes and poured with PCA, then incubated at 55 ± 2 °C for 48 ± 2 hrs.		
Reporting Unit	Thermophilic Plate Count cfu/g or cfu/mL		
LOR/LOQ	<10		

Minimum amount of sample required for analysis	20 g	Turnaround time	48 hours
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Author:	Document Controller	Date:	30 th November 2017
Authorised By:	National Quality Manager	Date	30 th November 2017