UNIVERSITY OF LJUBLJANA BIOTECHNICAL FACULTY DEPARTMENT OF ANIMAL SCIENCE CHAIR OF DAIRY SCIENCE

MILK ANALYSIS

PRACTICUM NOTES

NAME

MILK DENSITY

1. Measurement		
Measured density:		_ g/ml
Measured temperature:		_°C
2. Result		
Calculated milk density at 20 °C:		_ g/ml
NOTES		
FAT CONTENT IN MILK		
1. Measurement / result		
Fat content:	_ %	
NOTES		

MILK FRESHNESS

1. TITRATABLE ACIDITY - Soxhlet Henkel (SH) method

Titration with 0,25 M NaOH 1.1 Measurement Amount of 0,25 M NaOH used: _____ml 1.2 Result Calculated titratable acidity: AC = $\times 2 =$ SH NOTES _____ 2. ALCOHOL TEST 3. ALIZAROL TEST NOTES _____

PROTEIN CONTENT IN MILK

Forma	aldehvo	de titration	(method	described	by Schulz)
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1. Measurement				
Amount of 1/7 M NaOH used:		. ml		
1.2 Result				
Calculated % of protein =	×		=	%
NOTES				
HEAT TREATMENT OF MILK				
1. PHOSPHATASE TEST				
NOTES				
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2. PEROXIDASE TEST				
NOTES				

MILK SOLIDS

CALCULATION BY USING FLEISHMANN EQUATION

% solids = $1,2 \times$	+ 2,665	×	× 100	=	%
1.1 CALCULATION OF FA	Γ-IN-SOLIDS	(FiS)			
FiS =×	100 =		%		
NOTES					
1.2 CALCULATION OF SO	LIDS-NON-FA	AT (SNF)			
SNF = % solids - % fat =		%			
NOTES					

PRODUCTION OF FERMENTED MILK PRODUCT - natural cup set yoghurt

Describe the process of cup set yoghurt production!				