

## Investigation properties of Ayran (yoghurt drink) produced from different ratio of cow and hemp seed milk mixtures

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### Appendix A. Syneresis rate of samples

Samples	Storage days		
	1 <sup>st</sup> day	7 <sup>th</sup> day	14 <sup>th</sup> day
C	77.07 ± 2.28 <sup>Aa</sup>	77.15 ± 0.67 <sup>Aa</sup>	76.39 ± 0.22 <sup>Aa</sup>
3CH	79.19 ± 0.69 <sup>Aa</sup>	78.31 ± 0.20 <sup>Ba</sup>	80.23 ± 0.61 <sup>Ba</sup>
2C2H	82.94 ± 0.25 <sup>Ba</sup>	83.07 ± 0.28 <sup>Ca</sup>	82.61 ± 0.33 <sup>Ca</sup>
C3H	87.65 ± 0.27 <sup>Ca</sup>	87.32 ± 0.21 <sup>Da</sup>	86.41 ± 0.20 <sup>Db</sup>
H	86.05 ± 0.13 <sup>Ca</sup>	87.08 ± 0.15 <sup>Db</sup>	86.76 ± 0.20 <sup>Db</sup>

\*C (100% CM), 3CH (75:25%, CM:HM), 2C2H (50:50%, CM:HM), C3H (25:75%, CM:HM) and H (100% HM). CM: Cow milk, HM: hemp seed milk. Different uppercase superscript letters show differences between the samples within the same day. Different lowercase superscript letters show differences between days within the same sample ( $P < 0.05$ ).

### Appendix B. Total phenolic content and percentage of inhibition of ayran samples

Phenolic content, mg gallic acid/100 ml ayran			
Sample code	1 <sup>st</sup> day	7 <sup>th</sup> day	14 <sup>th</sup> day
C	6.55 ± 0.15 <sup>Aa</sup>	6.15 ± 0.14 <sup>Ab</sup>	6.30 ± 0.39 <sup>Ab</sup>
3CH	23.18 ± 0.25 <sup>Ba</sup>	24.99 ± 0.55 <sup>Bb</sup>	28.72 ± 0.27 <sup>Bc</sup>
2C2H	32.65 ± 0.26 <sup>Ca</sup>	35.10 ± 0.27 <sup>Cb</sup>	36.25 ± 0.71 <sup>Cc</sup>
C3H	33.26 ± 0.09 <sup>Da</sup>	35.02 ± 0.61 <sup>Cb</sup>	35.33 ± 0.44 <sup>Db</sup>
H	17.17 ± 0.38 <sup>Ea</sup>	20.15 ± 0.18 <sup>Db</sup>	22.02 ± 1.11 <sup>Ec</sup>

  

Inhibition, %			
Sample code	1 <sup>st</sup> day	7 <sup>th</sup> day	14 <sup>th</sup> day
C	7.59 ± 0.22 <sup>Aa</sup>	5.61 ± 0.05 <sup>Ab</sup>	4.87 ± 0.11 <sup>Ac</sup>
3CH	6.92 ± 0.14 <sup>Ba</sup>	4.88 ± 0.03 <sup>Bb</sup>	3.56 ± 0.30 <sup>Bc</sup>
2C2H	6.94 ± 0.25 <sup>Ba</sup>	4.82 ± 0.04 <sup>Cb</sup>	4.13 ± 0.05 <sup>Cc</sup>
C3H	7.42 ± 0.17 <sup>Aa</sup>	5.83 ± 0.07 <sup>Db</sup>	5.09 ± 0.14 <sup>Ac</sup>
H	9.06 ± 0.05 <sup>Ca</sup>	7.30 ± 0.03 <sup>Eb</sup>	6.02 ± 0.23 <sup>Dc</sup>

\*C (100% CM), 3CH (75:25%, CM:HM), 2C2H (50:50%, CM:HM), C3H (25:75%, CM:HM) and H (100% HM). CM: Cow milk, HM: hemp seed milk. Different uppercase superscript letters show differences between the samples within the same day. Different lowercase superscript letters show differences between days within the same sample ( $P < 0.05$ ).