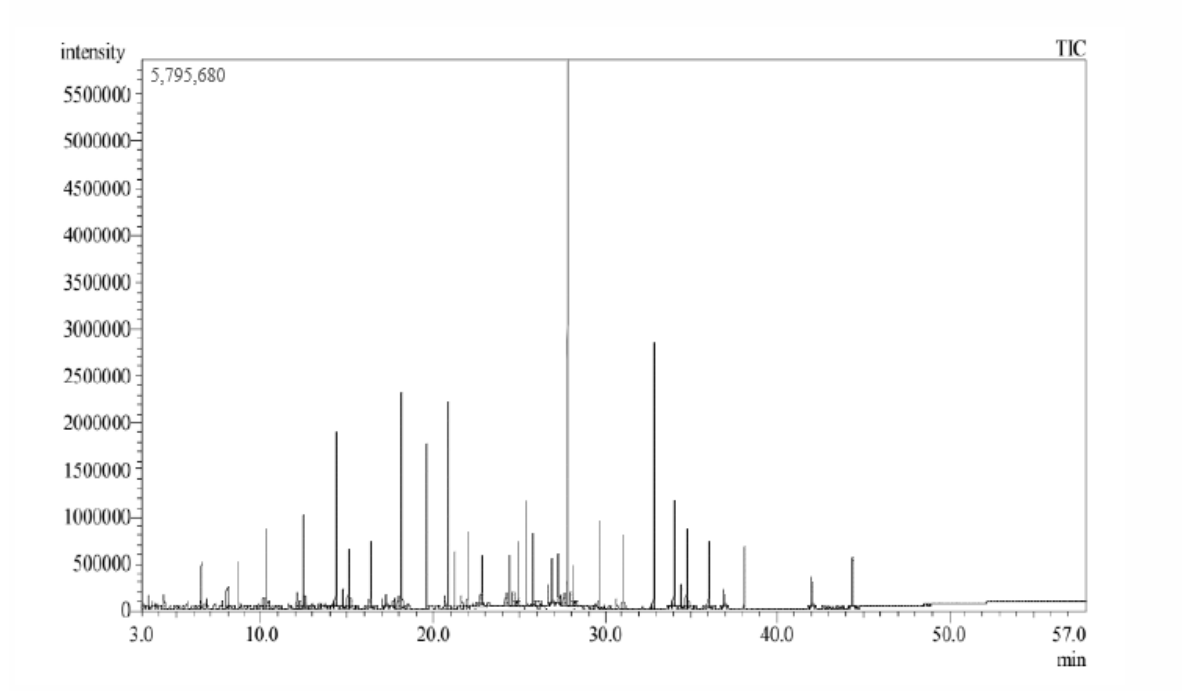


Supplementary Data :



**Figure S1:** Total ion chromatogram (TIC) of LME<sup>KAU0021</sup>.

Supplementary Data :

**Table S1:** Chemical composition of the LME<sup>KAU0021</sup> obtained from *Limosilactobacillus fermentum* KAU0021

S.No.	Metabolite <sup>#</sup>	M.Wt	Retention time	Percentage
1	Octadecanoic acid	284.48	6.323	1.65±0.016
2	Hexadecanoic acid	256.43	7.957	0.85±0.041
3	Propanoic acid	118.13	8.801	1.64±0.016
4	Stearic acid	284.48	10.254	2.45±0.028
5	Myristic acid	228.37	12.634	2.85±0.008
6	<b>Acetic acid</b>	<b>132.15</b>	<b>14.254</b>	<b>4.75±0.018</b>
7	Phenylacetic acid	136.14	15.193	1.85±0.084
8	3-phenyllactic acid	166.17	16.327	1.94±0.048
9	<b>Lactic acid</b>	<b>90.08</b>	<b>18.133</b>	<b>5.75±0.020</b>
10	<b>Oxalic acid</b>	<b>90.03</b>	<b>19.756</b>	<b>4.37±0.033</b>
11	<b>(Z)-7-Hexadecenal</b>	<b>238.41</b>	<b>20.931</b>	<b>5.45±0.021</b>
12	Phenol,2,4-bis(1,1-dimethylethyl)	278.5	21.131	1.55±0.028
13	4-aminobutyric acid	103.12	22.033	1.61±0.016
14	Sebacic acid	202.25	22.966	1.58±0.032
15	3-hydroxybutyric acid	104.10	24.531	1.45±0.040
16	Hexadecanoic acid methyl ester	270.45	24.902	1.68±0.040
17	2-butenedioic acid	116.07	25.476	2.88±0.097
18	Phosphoric acid	97.99	25.875	1.96±0.048
19	2-hydroxyisovaleric acid	74.08	27.069	0.89±0.048
20	2-hydroxy isocaproic acid	122.12	27.243	0.94±0.032
21	<b>Oleic acid</b>	<b>282.47</b>	<b>27.911</b>	<b>15.86±0.013</b>
22	Valine	117.15	29.842	2.34±0.032
23	Malic acid	134.08	31.108	2.23±0.036
24	<b>Pyroglutamic acid</b>	<b>129.04</b>	<b>32.916</b>	<b>7.63±0.040</b>
25	Succinic acid	118.09	34.113	2.85±0.032
26	2,5-dihydroxyacetophenone	152.15	34.523	0.87±0.040
27	Azelaic acid	188.22	34.921	1.97±0.043
28	Glutamic acid	147.13	36.116	1.84±0.016
29	Arabitol	152.14	37.052	0.88±0.040
30	Erythrose	120.1	38.125	1.68±0.008
31	Glucose	180.15	42.083	0.86±0.297
32	Citric acid	192.12	44.304	1.88±0.064
<b>Total percentage identified</b>				<b>88.98</b>

<sup>#</sup>The metabolites are listed according to the elution order. Unknown compounds and metabolites in <0.80% concentration have not been listed.