



SIGNAL HILL PRODUCTS

Signal Hill Products (Pty) Ltd
166 Gunners Circle
Epping 1
Cape Town, WC, 7460
Phone: +27 (0) 21 203 2490
Email: debtors@signalhillproducts.com
Web: http://www.signalhillproducts.com

Tax Invoice

Reference No.: IN134180
Date: 12-Sep-2024
Due Date: 31-Oct-2024
Customer ID: C9862
Currency: ZAR
Customer VAT #: 4300119155
Source: LRFG06

BILL TO:

Masstores (Pty) Ltd
16 Peltier Drive
Sunninghill Ext 6
Sunninghill Ext 6 GP 2157
SOUTH AFRICA
0118394440
0748038727

SHIP TO:

SHIP VIA: LRSAC
Massmart Super Jumbo Crown Mines
Corner Crownwood & Amethyst Roads
Renaissance Industrial Park, Amalgam
Johannesburg GP 2025
SOUTH AFRICA
0118394440
0748038727

CUSTOMER REF. NUMBER

3901702128

TERMS

2.5% 30 days from Statement

CONTACT

SO TYPE		SO NUMBER	SHIPMENT NUMBER		CUSTOMER P.O. NO.		
SO		SO126765	SS151807		3901702128		
No.	ITEM	QTY.	UOM	UNIT PRICE	DISC %	DISC AMT	EXTENDED PRICE
1	FG CD-048: Strongbow Red Berries Cider - 24 x 440ml CAN (4.5% ALC/VOL)	20.0000	CASE	330.0000	13%	858.00	5,742.00
2	FG CD-049: Strongbow Red Berries Cider - 24 x 330ml NRB (4.5% ALC/VOL)	10.0000	CASE	283.8600	13%	369.02	2,469.58
3	FG CD-052: Strongbow Gold Cider - 24 x 440ml CAN (4.5% ALC/VOL)	20.0000	CASE	330.0000	13%	858.00	5,742.00
4	FG SZ-013: KIX Rosé - 24 x 440ml Can (5.0% ALC/VOL)	90.0000	CASE	325.0000	0%	0.00	29,250.00
5	FG CD-047: Strongbow Red Berries Cider - 12 x 660ml RB (4.5% ALC/VOL)	154.0000	CASE	216.5200	2.5%	833.60	32,510.48
6	RT PA-035: Returnable Crate with Bottles - 12 x 660ml - Deposit	154.0000	UNIT	31.3200	0%	0.00	4,823.28
7	FG CD-051: Strongbow Gold Cider - 12 x 660ml RB (4.5% ALC/VOL)	154.0000	CASE	216.5200	2.5%	833.60	32,510.48
8	RT PA-035: Returnable Crate with Bottles - 12 x 660ml - Deposit	154.0000	UNIT	31.3200	0%	0.00	4,823.28

DATE _____
TIME _____
Liquor Runners JHB
DEBRIEFED 2

Continued...

DATE _____
TIME _____
Liquor Runners JHB
DEBRIEFED 2



Signal Hill Products (Pty) Ltd
166 Gunners Circle
Epping 1
Cape Town, WC, 7460
Phone: +27 (0) 21 203 2490
Email: debtors@signalhillproducts.com
Web: http://www.signalhillproducts.com

Tax Invoice

Reference No.: IN134180
Date: 12-Sep-2024
Due Date: 31-Oct-2024
Customer ID: C9862
Currency: ZAR
Customer VAT #: 4300119155
Source: LRFG06

BILL TO:		SHIP TO:
Masstores (Pty) Ltd 16 Peltier Drive Sunninghill Ext 6 Sunninghill Ext 6 GP 2157 SOUTH AFRICA 0118394440 0748038727		SHIP VIA: LRSAC Massmart Super Jumbo Crown Mines Corner Crownwood & Amethyst Roads Renaissance Industrial Park, Amalgam Johannesburg GP 2025 SOUTH AFRICA 0118394440 0748038727
CUSTOMER REF. NUMBER	TERMS	CONTACT
3901702128	2.5% 30 days from Statement	



RECEIVED

Date 17/09/2024

CHECKED BY

1st Name Enock Signature

2nd Name Nokululela Signature

3rd Name Signature

Driver:

Magwedshe

Driver Signature:

LM

Cust Received By:

Truck Reg:

H9H 6978

Cust Signature

DPBC Packed By:

DPBC Checked By:

Date:

Settlement Discount: R 3,111.46

Note: Please note settlement discount doesn't include returnable items.

Sales Total: 117,871.10

Tax Total: 17,680.67

Total (ZAR): 135,551.77

Standard Bank --- Account name: Signal Hill Products (Pty) Ltd --- Account number: 000895466 --- Branch code: 000205
Company Reg: 2013/035584/07 --- Company VAT: 4460259833 --- Customs Code: 21127081

Returns:

SHP 20L Keg	
SHP 30L Keg	
Strongbow Crates and Bottles	
Strongbow Crates only	
Chep exchanged/swopped with LR	
Chep returns for credit	



Liquor Runners JHB
DEBRIEFED 2

DATE

TIME

The diagram illustrates the experimental setup. A participant is seated at a table, looking at a video screen. A camera is positioned above the screen. A target is placed on the table. A horizontal arrow indicates the direction of movement. A vertical arrow indicates the direction of the video feedback. A horizontal arrow indicates the direction of the video feedback. A vertical arrow indicates the direction of the video feedback. A horizontal arrow indicates the direction of the video feedback. A vertical arrow indicates the direction of the video feedback.

1. *Introduction*
 2. *Background*
 3. *Methodology*
 4. *Results*
 5. *Discussion*
 6. *Conclusion*
 7. *Acknowledgments*
 8. *References*
 9. *Appendix*
 10. *Index*
 11. *Table of Contents*
 12. *Abstract*
 13. *Keywords*
 14. *Subject Headings*
 15. *Summary*
 16. *Notes*
 17. *References*
 18. *Appendix*
 19. *Index*
 20. *Table of Contents*
 21. *Abstract*
 22. *Keywords*
 23. *Subject Headings*
 24. *Summary*
 25. *Notes*
 26. *References*
 27. *Appendix*
 28. *Index*
 29. *Table of Contents*
 30. *Abstract*
 31. *Keywords*
 32. *Subject Headings*
 33. *Summary*
 34. *Notes*
 35. *References*
 36. *Appendix*
 37. *Index*
 38. *Table of Contents*
 39. *Abstract*
 40. *Keywords*
 41. *Subject Headings*
 42. *Summary*
 43. *Notes*
 44. *References*
 45. *Appendix*
 46. *Index*
 47. *Table of Contents*
 48. *Abstract*
 49. *Keywords*
 50. *Subject Headings*
 51. *Summary*
 52. *Notes*
 53. *References*
 54. *Appendix*
 55. *Index*
 56. *Table of Contents*
 57. *Abstract*
 58. *Keywords*
 59. *Subject Headings*
 60. *Summary*
 61. *Notes*
 62. *References*
 63. *Appendix*
 64. *Index*
 65. *Table of Contents*
 66. *Abstract*
 67. *Keywords*
 68. *Subject Headings*
 69. *Summary*
 70. *Notes*
 71. *References*
 72. *Appendix*
 73. *Index*
 74. *Table of Contents*
 75. *Abstract*
 76. *Keywords*
 77. *Subject Headings*
 78. *Summary*
 79. *Notes*
 80. *References*
 81. *Appendix*
 82. *Index*
 83. *Table of Contents*
 84. *Abstract*
 85. *Keywords*
 86. *Subject Headings*
 87. *Summary*
 88. *Notes*
 89. *References*
 90. *Appendix*
 91. *Index*
 92. *Table of Contents*
 93. *Abstract*
 94. *Keywords*
 95. *Subject Headings*
 96. *Summary*
 97. *Notes*
 98. *References*
 99. *Appendix*
 100. *Index*
 101. *Table of Contents*
 102. *Abstract*
 103. *Keywords*
 104. *Subject Headings*
 105. *Summary*
 106. *Notes*
 107. *References*
 108. *Appendix*
 109. *Index*
 110. *Table of Contents*
 111. *Abstract*
 112. *Keywords*
 113. *Subject Headings*
 114. *Summary*
 115. *Notes*
 116. *References*
 117. *Appendix*
 118. *Index*
 119. *Table of Contents*
 120. *Abstract*
 121. *Keywords*
 122. *Subject Headings*
 123. *Summary*
 124. *Notes*
 125. *References*
 126. *Appendix*
 127. *Index*
 128. *Table of Contents*
 129. *Abstract*
 130. *Keywords*
 131. *Subject Headings*
 132. *Summary*
 133. *Notes*
 134. *References*
 135. *Appendix*
 136. *Index*
 137. *Table of Contents*
 138. *Abstract*
 139. *Keywords*
 140. *Subject Headings*
 141. *Summary*
 142. *Notes*
 143. *References*
 144. *Appendix*
 145. *Index*
 146. *Table of Contents*
 147. *Abstract*
 148. *Keywords*
 149. *Subject Headings*
 150. *Summary*
 151. *Notes*
 152. *References*
 153. *Appendix*
 154. *Index*
 155. *Table of Contents*
 156. *Abstract*
 157. *Keywords*
 158. *Subject Headings*
 159. *Summary*
 160. *Notes*
 161. *References*
 162. *Appendix*
 163. *Index*
 164. *Table of Contents*
 165. *Abstract*
 166. *Keywords*
 167. *Subject Headings*
 168. *Summary*
 169. *Notes*
 170. *References*
 171. *Appendix*
 172. *Index*
 173. *Table of Contents*
 174. *Abstract*
 175. *Keywords*
 176. *Subject Headings*
 177. *Summary*
 178. *Notes*
 179. *References*
 180. *Appendix*
 181. *Index*
 182. *Table of Contents*
 183. *Abstract*
 184. *Keywords*
 185. *Subject Headings*
 186. *Summary*
 187. *Notes*
 188. *References*
 189. *Appendix*
 190. *Index*
 191. *Table of Contents*
 192. *Abstract*
 193. *Keywords*
 194. *Subject Headings*
 195. *Summary*
 196. *Notes*
 197. *References*
 198. *Appendix*
 199. *Index*
 200. *Table of Contents*
 201. *Abstract*
 202. *Keywords*
 203. *Subject Headings*
 204. *Summary*
 205. *Notes*
 206. *References*
 207. *Appendix*
 208. *Index*
 209. *Table of Contents*
 210. *Abstract*
 211. *Keywords*
 212. *Subject Headings*
 213. *Summary*
 214. *Notes*
 215. *References*
 216. *Appendix*
 217. *Index*
 218. *Table of Contents*
 219. *Abstract*
 220. *Keywords*
 221. *Subject Headings*
 222. *Summary*
 223. *Notes*
 224. *References*
 225. *Appendix*
 226. *Index*
 227. *Table of Contents*
 228. *Abstract*
 229. *Keywords*
 230. *Subject Headings*
 231. *Summary*
 232. *Notes*
 233. *References*
 234. *Appendix*
 235. *Index*
 236. *Table of Contents*
 237. *Abstract*
 238. *Keywords*
 239. *Subject Headings*
 240. *Summary*
 241. *Notes*
 242. *References*
 243. *Appendix*
 244. *Index*
 245. *Table of Contents*
 246. *Abstract*
 247. *Keywords*
 248. *Subject Headings*
 249. *Summary*
 250. *Notes*
 251. *References*
 252. *Appendix*
 253. *Index*
 254. *Table of Contents*

1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100

THE JOURNAL OF THE ROYAL ANTHROPOLOGICAL INSTITUTE

Figure 1. Schematic representation of the experimental design. The study was conducted in two phases. In the first phase, the effect of the intervention on the outcome was assessed. In the second phase, the effect of the intervention on the outcome was assessed in a different population. The results of the two phases are compared.

(1) $\text{H}_2\text{O} \rightarrow \text{H}_2 + \frac{1}{2}\text{O}_2$

(2) $\text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 \rightarrow 6\text{CO}_2 + 6\text{H}_2\text{O}$

(3) $\text{CH}_4 + 2\text{O}_2 \rightarrow \text{CO}_2 + 2\text{H}_2\text{O}$

(4) $\text{C}_2\text{H}_6 + \frac{7}{2}\text{O}_2 \rightarrow 2\text{CO}_2 + 3\text{H}_2\text{O}$

(5) $\text{C}_3\text{H}_8 + 5\text{O}_2 \rightarrow 3\text{CO}_2 + 4\text{H}_2\text{O}$

(6) $\text{C}_4\text{H}_{10} + \frac{13}{2}\text{O}_2 \rightarrow 4\text{CO}_2 + 5\text{H}_2\text{O}$

(7) $\text{C}_5\text{H}_{12} + 8\text{O}_2 \rightarrow 5\text{CO}_2 + 6\text{H}_2\text{O}$

(8) $\text{C}_6\text{H}_{14} + \frac{17}{2}\text{O}_2 \rightarrow 6\text{CO}_2 + 7\text{H}_2\text{O}$

(9) $\text{C}_7\text{H}_{16} + 10\text{O}_2 \rightarrow 7\text{CO}_2 + 8\text{H}_2\text{O}$

(10) $\text{C}_8\text{H}_{18} + \frac{25}{2}\text{O}_2 \rightarrow 8\text{CO}_2 + 9\text{H}_2\text{O}$

(11) $\text{C}_9\text{H}_{20} + 13\text{O}_2 \rightarrow 9\text{CO}_2 + 10\text{H}_2\text{O}$

(12) $\text{C}_{10}\text{H}_{22} + \frac{31}{2}\text{O}_2 \rightarrow 10\text{CO}_2 + 11\text{H}_2\text{O}$

(13) $\text{C}_{11}\text{H}_{24} + 16\text{O}_2 \rightarrow 11\text{CO}_2 + 12\text{H}_2\text{O}$

(14) $\text{C}_{12}\text{H}_{26} + \frac{37}{2}\text{O}_2 \rightarrow 12\text{CO}_2 + 13\text{H}_2\text{O}$

(15) $\text{C}_{13}\text{H}_{28} + 19\text{O}_2 \rightarrow 13\text{CO}_2 + 14\text{H}_2\text{O}$

(16) $\text{C}_{14}\text{H}_{30} + \frac{43}{2}\text{O}_2 \rightarrow 14\text{CO}_2 + 15\text{H}_2\text{O}$

(17) $\text{C}_{15}\text{H}_{32} + 22\text{O}_2 \rightarrow 15\text{CO}_2 + 16\text{H}_2\text{O}$

(18) $\text{C}_{16}\text{H}_{34} + \frac{49}{2}\text{O}_2 \rightarrow 16\text{CO}_2 + 17\text{H}_2\text{O}$

(19) $\text{C}_{17}\text{H}_{36} + 25\text{O}_2 \rightarrow 17\text{CO}_2 + 18\text{H}_2\text{O}$

(20) $\text{C}_{18}\text{H}_{38} + \frac{55}{2}\text{O}_2 \rightarrow 18\text{CO}_2 + 19\text{H}_2\text{O}$

(21) $\text{C}_{19}\text{H}_{40} + 28\text{O}_2 \rightarrow 19\text{CO}_2 + 20\text{H}_2\text{O}$

(22) $\text{C}_{20}\text{H}_{42} + \frac{61}{2}\text{O}_2 \rightarrow 20\text{CO}_2 + 21\text{H}_2\text{O}$

(23) $\text{C}_{21}\text{H}_{44} + 32\text{O}_2 \rightarrow 21\text{CO}_2 + 22\text{H}_2\text{O}$

(24) $\text{C}_{22}\text{H}_{46} + \frac{67}{2}\text{O}_2 \rightarrow 22\text{CO}_2 + 23\text{H}_2\text{O}$

(25) $\text{C}_{23}\text{H}_{48} + 34\text{O}_2 \rightarrow 23\text{CO}_2 + 24\text{H}_2\text{O}$

(26) $\text{C}_{24}\text{H}_{50} + \frac{73}{2}\text{O}_2 \rightarrow 24\text{CO}_2 + 25\text{H}_2\text{O}$

(27) $\text{C}_{25}\text{H}_{52} + 38\text{O}_2 \rightarrow 25\text{CO}_2 + 26\text{H}_2\text{O}$

(28) $\text{C}_{26}\text{H}_{54} + \frac{79}{2}\text{O}_2 \rightarrow 26\text{CO}_2 + 27\text{H}_2\text{O}$

(29) $\text{C}_{27}\text{H}_{56} + 40\text{O}_2 \rightarrow 27\text{CO}_2 + 28\text{H}_2\text{O}$

(30) $\text{C}_{28}\text{H}_{58} + \frac{85}{2}\text{O}_2 \rightarrow 28\text{CO}_2 + 29\text{H}_2\text{O}$

(31) $\text{C}_{29}\text{H}_{60} + 43\text{O}_2 \rightarrow 29\text{CO}_2 + 30\text{H}_2\text{O}$

(32) $\text{C}_{30}\text{H}_{62} + \frac{91}{2}\text{O}_2 \rightarrow 30\text{CO}_2 + 31\text{H}_2\text{O}$

(33) $\text{C}_{31}\text{H}_{64} + 46\text{O}_2 \rightarrow 31\text{CO}_2 + 32\text{H}_2\text{O}$

(34) $\text{C}_{32}\text{H}_{66} + \frac{97}{2}\text{O}_2 \rightarrow 32\text{CO}_2 + 33\text{H}_2\text{O}$

(35) $\text{C}_{33}\text{H}_{68} + 49\text{O}_2 \rightarrow 33\text{CO}_2 + 34\text{H}_2\text{O}$

(36) $\text{C}_{34}\text{H}_{70} + \frac{103}{2}\text{O}_2 \rightarrow 34\text{CO}_2 + 35\text{H}_2\text{O}$

(37) $\text{C}_{35}\text{H}_{72} + 52\text{O}_2 \rightarrow 35\text{CO}_2 + 36\text{H}_2\text{O}$

(38) $\text{C}_{36}\text{H}_{74} + \frac{107}{2}\text{O}_2 \rightarrow 36\text{CO}_2 + 37\text{H}_2\text{O}$

(39) $\text{C}_{37}\text{H}_{76} + 54\text{O}_2 \rightarrow 37\text{CO}_2 + 38\text{H}_2\text{O}$

(40) $\text{C}_{38}\text{H}_{78} + \frac{111}{2}\text{O}_2 \rightarrow 38\text{CO}_2 + 39\text{H}_2\text{O}$

(41) $\text{C}_{39}\text{H}_{80} + 56\text{O}_2 \rightarrow 39\text{CO}_2 + 40\text{H}_2\text{O}$

(42) $\text{C}_{40}\text{H}_{82} + \frac{115}{2}\text{O}_2 \rightarrow 40\text{CO}_2 + 41\text{H}_2\text{O}$

(43) $\text{C}_{41}\text{H}_{84} + 58\text{O}_2 \rightarrow 41\text{CO}_2 + 42\text{H}_2\text{O}$

(44) $\text{C}_{42}\text{H}_{86} + \frac{119}{2}\text{O}_2 \rightarrow 42\text{CO}_2 + 43\text{H}_2\text{O}$

(45) $\text{C}_{43}\text{H}_{88} + 60\text{O}_2 \rightarrow 43\text{CO}_2 + 44\text{H}_2\text{O}$

(46) $\text{C}_{44}\text{H}_{90} + \frac{123}{2}\text{O}_2 \rightarrow 44\text{CO}_2 + 45\text{H}_2\text{O}$

(47) $\text{C}_{45}\text{H}_{92} + 62\text{O}_2 \rightarrow 45\text{CO}_2 + 46\text{H}_2\text{O}$

(48) $\text{C}_{46}\text{H}_{94} + \frac{127}{2}\text{O}_2 \rightarrow 46\text{CO}_2 + 47\text{H}_2\text{O}$

(49) $\text{C}_{47}\text{H}_{96} + 64\text{O}_2 \rightarrow 47\text{CO}_2 + 48\text{H}_2\text{O}$

(50) $\text{C}_{48}\text{H}_{98} + \frac{131}{2}\text{O}_2 \rightarrow 48\text{CO}_2 + 49\text{H}_2\text{O}$

(51) $\text{C}_{49}\text{H}_{100} + 66\text{O}_2 \rightarrow 49\text{CO}_2 + 50\text{H}_2\text{O}$

(52) $\text{C}_{50}\text{H}_{102} + \frac{135}{2}\text{O}_2 \rightarrow 50\text{CO}_2 + 51\text{H}_2\text{O}$

(53) $\text{C}_{51}\text{H}_{104} + 68\text{O}_2 \rightarrow 51\text{CO}_2 + 52\text{H}_2\text{O}$

(54) $\text{C}_{52}\text{H}_{106} + \frac{139}{2}\text{O}_2 \rightarrow 52\text{CO}_2 + 53\text{H}_2\text{O}$

(55) $\text{C}_{53}\text{H}_{108} + 70\text{O}_2 \rightarrow 53\text{CO}_2 + 54\text{H}_2\text{O}$

(56) $\text{C}_{54}\text{H}_{110} + \frac{143}{2}\text{O}_2 \rightarrow 54\text{CO}_2 + 55\text{H}_2\text{O}$

(57) $\text{C}_{55}\text{H}_{112} + 72\text{O}_2 \rightarrow 55\text{CO}_2 + 56\text{H}_2\text{O}$

(58) $\text{C}_{56}\text{H}_{114} + \frac{147}{2}\text{O}_2 \rightarrow 56\text{CO}_2 + 57\text{H}_2\text{O}$

(59) $\text{C}_{57}\text{H}_{116} + 74\text{O}_2 \rightarrow 57\text{CO}_2 + 58\text{H}_2\text{O}$

(60) $\text{C}_{58}\text{H}_{118} + \frac{151}{2}\text{O}_2 \rightarrow 58\text{CO}_2 + 59\text{H}_2\text{O}$

(61) $\text{C}_{59}\text{H}_{120} + 76\text{O}_2 \rightarrow 59\text{CO}_2 + 60\text{H}_2\text{O}$

(62) $\text{C}_{60}\text{H}_{122} + \frac{155}{2}\text{O}_2 \rightarrow 60\text{CO}_2 + 61\text{H}_2\text{O}$

(63) $\text{C}_{61}\text{H}_{124} + 78\text{O}_2 \rightarrow 61\text{CO}_2 + 62\text{H}_2\text{O}$

(64) $\text{C}_{62}\text{H}_{126} + \frac{159}{2}\text{O}_2 \rightarrow 62\text{CO}_2 + 63\text{H}_2\text{O}$

(65) $\text{C}_{63}\text{H}_{128} + 80\text{O}_2 \rightarrow 63\text{CO}_2 +$

[illegible]

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were cultured in YEA medium for 24 h and then adjusted to the concentration of 1×10^8 cells/ml. The cells were then mixed with the plant tissue and the transformation efficiency was determined. The results are shown in Table 1.

[illegible][illegible]

10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846

Figure 1 consists of 12 subplots arranged in a 6x2 grid, labeled (a) through (l). The subplots are organized into three rows and two columns. The left column (a, c, e, g, i, k) shows the evolution of the scale factor $a(t)$ over time t for different values of the parameter α . The right column (b, d, f, h, j, l) shows the evolution of the dark energy density $\rho_{DE}(t)$ over time t for the same values of α . The x-axis for all plots is time t , ranging from 0 to 10. The y-axis for the left column is $a(t)$, and for the right column is $\rho_{DE}(t)$. The plots show that the scale factor $a(t)$ increases monotonically with time, while the dark energy density $\rho_{DE}(t)$ decreases monotonically with time. The evolution of $a(t)$ and $\rho_{DE}(t)$ is sensitive to the value of α , with different values of α leading to different rates of expansion and dark energy density evolution.

[illegible]

Parameter	Value	Unit
α_1	0.1	
α_2	0.2	
α_3	0.3	
α_4	0.4	
α_5	0.5	
α_6	0.6	
α_7	0.7	
α_8	0.8	
α_9	0.9	
α_{10}	1.0	
α_{11}	1.1	
α_{12}	1.2	
α_{13}	1.3	
α_{14}	1.4	
α_{15}	1.5	
α_{16}	1.6	
α_{17}	1.7	
α_{18}	1.8	
α_{19}	1.9	
α_{20}	2.0	
α_{21}	2.1	
α_{22}	2.2	
α_{23}	2.3	
α_{24}	2.4	
α_{25}	2.5	
α_{26}	2.6	
α_{27}	2.7	
α_{28}	2.8	
α_{29}	2.9	
α_{30}	3.0	
α_{31}	3.1	
α_{32}	3.2	
α_{33}	3.3	
α_{34}	3.4	
α_{35}	3.5	
α_{36}	3.6	
α_{37}	3.7	
α_{38}	3.8	
α_{39}	3.9	
α_{40}	4.0	
α_{41}	4.1	
α_{42}	4.2	
α_{43}	4.3	
α_{44}	4.4	
α_{45}	4.5	
α_{46}	4.6	
α_{47}	4.7	
α_{48}	4.8	
α_{49}	4.9	
α_{50}	5.0	
α_{51}	5.1	
α_{52}	5.2	
α_{53}	5.3	
α_{54}	5.4	
α_{55}	5.5	
α_{56}	5.6	
α_{57}	5.7	
α_{58}	5.8	
α_{59}	5.9	
α_{60}	6.0	
α_{61}	6.1	
α_{62}	6.2	
α_{63}	6.3	
α_{64}	6.4	
α_{65}	6.5	
α_{66}	6.6	
α_{67}	6.7	
α_{68}	6.8	
α_{69}	6.9	
α_{70}	7.0	
α_{71}	7.1	
α_{72}	7.2	
α_{73}	7.3	
α_{74}	7.4	
α_{75}	7.5	
α_{76}	7.6	
α_{77}	7.7	
α_{78}	7.8	
α_{79}	7.9	
α_{80}	8.0	
α_{81}	8.1	
α_{82}	8.2	
α_{83}	8.3	
α_{84}	8.4	
α_{85}	8.5	
α_{86}	8.6	
α_{87}	8.7	
α_{88}	8.8	
α_{89}	8.9	
α_{90}	9.0	
α_{91}	9.1	
α_{92}	9.2	
α_{93}	9.3	
α_{94}	9.4	
α_{95}	9.5	
α_{96}	9.6	
α_{97}	9.7	
α_{98}	9.8	
α_{99}	9.9	
α_{100}	10.0	

$\frac{d}{dt} \left(\frac{1}{\rho} \right) = - \frac{1}{\rho^2} \frac{d\rho}{dt}$

[illegible][illegible][illegible]

1. 0.0001
 2. 0.0001
 3. 0.0001
 4. 0.0001
 5. 0.0001
 6. 0.0001
 7. 0.0001
 8. 0.0001
 9. 0.0001
 10. 0.0001
 11. 0.0001
 12. 0.0001
 13. 0.0001
 14. 0.0001
 15. 0.0001
 16. 0.0001
 17. 0.0001
 18. 0.0001
 19. 0.0001
 20. 0.0001
 21. 0.0001
 22. 0.0001
 23. 0.0001
 24. 0.0001
 25. 0.0001
 26. 0.0001
 27. 0.0001
 28. 0.0001
 29. 0.0001
 30. 0.0001
 31. 0.0001
 32. 0.0001
 33. 0.0001
 34. 0.0001
 35. 0.0001
 36. 0.0001
 37. 0.0001
 38. 0.0001
 39. 0.0001
 40. 0.0001
 41. 0.0001
 42. 0.0001
 43. 0.0001
 44. 0.0001
 45. 0.0001
 46. 0.0001
 47. 0.0001
 48. 0.0001
 49. 0.0001
 50. 0.0001
 51. 0.0001
 52. 0.0001
 53. 0.0001
 54. 0.0001
 55. 0.0001
 56. 0.0001
 57. 0.0001
 58. 0.0001
 59. 0.0001
 60. 0.0001
 61. 0.0001
 62. 0.0001
 63. 0.0001
 64. 0.0001
 65. 0.0001
 66. 0.0001
 67. 0.0001
 68. 0.0001
 69. 0.0001
 70. 0.0001
 71. 0.0001
 72. 0.0001
 73. 0.0001
 74. 0.0001
 75. 0.0001
 76. 0.0001
 77. 0.0001
 78. 0.0001
 79. 0.0001
 80. 0.0001
 81. 0.0001
 82. 0.0001
 83. 0.0001
 84. 0.0001
 85. 0.0001
 86. 0.0001
 87. 0.0001
 88. 0.0001
 89. 0.0001
 90. 0.0001
 91. 0.0001
 92. 0.0001
 93. 0.0001
 94. 0.0001
 95. 0.0001
 96. 0.0001
 97. 0.0001
 98. 0.0001
 99. 0.0001
 100. 0.0001

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
--	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----

Figure 1 is a schematic representation of the experimental design. It shows a flow from 'Stimulus' to 'Response' and 'Reaction time'. The 'Stimulus' is a word, and the 'Response' is a button press. The 'Reaction time' is the time between the stimulus and the response. The diagram also shows a 'Response' box with 'Correct' and 'Incorrect' outcomes, leading to 'Feedback' and 'Error' respectively. The 'Error' box leads to 'Error feedback' and 'Error correction'.

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

[illegible]