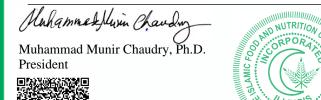


Date: June 30, 2023 Document #: 4739.15720.II230010

Company Name & Address: Sigma-Aldrich Corporation 6000 N. Teutonia Avenue Milwaukee, Wisconsin 53209 USA

Plant Name & Address: Aldrich Chemical Company, LLC 5485 County Road V Sheboygan Falls, Wisconsin 53085 USA

Product Name	Product Code	Halal-ID	Product Certificate #
1. (-)-ALPHA-PINENE 97%, FCC	W290203	A22863	HC-23SIZK01
2. (-)-BETA-PINENE 97%, FCC, FG	W290300	A71020	HC-23SIUY25
3. (-)-BORNYL ACETATE 95%	W408001	A73150	HC-23SIT936
4. (-)-b-PINENE NATURAL	W290315	D12698	HC-23SI8B27
5. (-)-CARVYL ACETATE MIXTURE OF CIS AND TRANS, 98%, FCC, FG	W225002	B41519	HC-23SI8428
6. (-)-ISOPULEGOL, 98%	W296236	A94478	HC-23SI7Q80
7. (+)-GAMMA-DECALACTONE NATURAL, 97%, FG	W236012	B12978	HC-23SI6B37
8. (+/-)-2-METHYLBUTYRIC ACID NATURAL, 98%, FG	W269514	A75140	HC-23SIPS53
9. (+/-)-4-METHYLOCTANOIC ACID 98%, FG	W357502	B64707	HC-23SIBP94
10. (+/-)-CITRONELLAL	W230707	C42588	HC-23SI7X04
11. (+/-)-TETRAHYDROFURFURYL PROPIONATE 96%	W305805	A50087	HC-23SIJ780







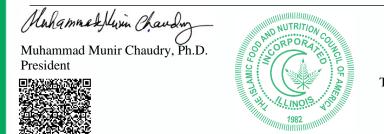


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12. (±)-CITRONELLAL, NATURAL	W230715	C49385	HC-23SIE512
13. (1R)-(-)-MYRTENAL 97%	W339504	A33489	HC-23SIF974
14. (1R)-(+)-ALPHA-PINENE 97%	W290238	B15454	HC-23SIWH56
15. (1S)-(-)-VERBENONE 93%	W506907	A28257	HC-23SIZN35
16. (METHYLTHIO)METHYLPYRAZINE MIXTURE OF ISOMERS, 98%	W320803	B12828	HC-23SIOH35
17. (R)-(+)-LIMONENE	W263303	C56642	HC-23SIFM98
18. (S)-(-)-BETA-CITRONELLOL	W230920	C29138	HC-23SIBF62
19. (S)-(-)-PERILLALDEHYDE 92%	W355704	A93532	HC-23SI7W75
20. (S)-(-)-PERILLYL ALCOHOL 95%	W266418	A88083	HC-23SIMU40
21. 1-(2-THIENYL)-1-PROPANONE, 97%, FG	W559001	B20753	HC-23SIYF93
22. 1,2-DIMETHOXYBENZENE	W379905	C29771	HC-23SI5O51





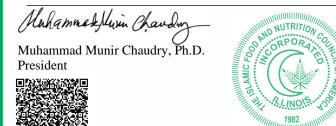


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Product Name	Product Code	Halal-ID	Product Certificate #
23. 1,3,5-UNDECATRIENE, MIXTURE OF 1,3(E),5(Z) AND 1,3(E),5(E) ISOMERS 70%	W379506	A86821	HC-23SIMD35
24. 1,3-DIMETHOXYBENZENE 98%, FG	W238503	B32256	HC-23SIFE68
25. 1,3-DIPHENYL-2-PROPANONE 98%, FG	W239704	A90490	HC-23SI6T54
26. 1,3-PROPANEDITHIOL 96%	W358800	A21811	HC-23SI1T95
27. 1,4-BUTANEDITHIOL	W520802	C37191	HC-23SI4J47
28. 1,4-CINEOLE 85%	W365807	A55496	HC-23SIUK11
29. 1,4-CINEOLE, =95%, FG	W365820	A53755	HC-23SIVL97
30. 1,4-DIMETHOXYBENZENE	W238600	C39740	HC-23SI3A05
31. 1,6-HEXANEDITHIOL 97%, FG	W349518	A58733	HC-23SIVA31
32. 10-Undecen-1-ol	W562125	C29024	HC-23SI6X55
33. 10-UNDECENAL 95%, FG, STABILIZED	W309508	A26084	HC-23SIXK14







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Product Name	Product Code	Halal-ID	Product Certificate #
34. 1-DECANOL 98%, FCC, FG	W236500	A75618	HC-23SIPW54
35. 1-FURFURYLPYRROLE	W328400	C29581	HC-23SIKB23
36. 1-FURFURYLPYRROLE 98%, FG	W328405	A74325	HC-23SIQF47
37. 1-HEXEN-3-OL 98%, STABILIZED, FG	W360805	B71790	HC-23SI8J49
38. 1-METHYLNAPHTHALENE 95%, FG	W319309	A67243	HC-23SIGS93
39. 1-METHYLPIPERIDINE 98%	W510211	B85066	HC-23SIHD40
40. 1-OCTANOL 98%, FCC, FG	W280003	B83624	HC-23SI5827
41. 1-OCTEN-3-OL	W280523	C35043	HC-23SI1592
42. 1-OCTEN-3-OL 98%, FCC, FG	W280518	B 86284	HC-23SIYL50
43. 1-OCTEN-3-ONE 50 WT. % IN 1-OCTEN-3-OL, FG	W351504	B81043	HC-23SIE510
44. 1-OCTEN-3-YL ACETATE, =97%, FCC, FG	W358207	A47062	HC-23SI8G61
45. 1-OCTEN-3-YL BUTYRATE	W361208	C56644	HC-23SIVJ69

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Product Name	Product Code	Halal-ID	Product Certificate #
46. 1-PENTEN-3-OL 98%, FG	W358401	B45151	HC-23SIBR58
47. 1-PHENYL-1,2-PROPANEDIONE 98%, FG	W322601	A60886	HC-23SIPL46
48. 1-PROPANETHIOL, NATURAL (US), 98.0%, FG	W352117	A55463	HC-23SIVK09
49. 1-PROPANOL, NATURAL	W292826	C45649	HC-23SIDI28
50. 2-(1-METHYLPROPYL)THIAZOLE 98%	W337218	B37190	HC-23SI7902
51. 2-(METHYLTHIO)PYRAZINE, =98%, FG	W323130	B82454	HC-23SIVK18
52. 2,2'-(DITHIODIMETHYLENE)DIFURAN 96%, NATURAI	L, FG W314620	C87827	HC-23SIDK53
53. 2,2-(DITHIODIMETHYLENE)DIFURAN 95%, FG	W314609	A59841	HC-23SIOD35
54. 2,2-(THIODIMETHYLENE)DIFURAN 98%, FG	W323802	B86955	HC-23SICR56
55. 2,3,5,6-TETRAMETHYLPYRAZINE 98%, FG	W323705	B42043	HC-23SI8Z31
56. 2,3,5,6-TETRAMETHYLPYRAZINE NATURAL, 98%, FG	W323713	B65499	HC-23SIG703
57. 2,3,5-TRIMETHYLPYRAZINE 99%, FCC, FG	W324418	A40398	HC-23SIDD21

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Page 5 of 99



Date: June 30, 2023 Document #: 4739.15720.II230010

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Product Name	Product Code	Halal-ID	Product Certificate #
58. 2,3,5-TRIMETHYLPYRAZINE NATURAL, 95%, FG	W324426	B40694	HC-23SI8M22
59. 2,3-BUTANEDITHIOL 99%, FG	W347701	B45527	HC-23SIBR60
60. 2,3-DIETHYL-5-METHYLPYRAZINE	W333603	C39750	HC-23SIKG88
61. 2,3-DIETHYLPYRAZINE	W313602	C51538	HC-23SI2U52
62. 2,3-DIMETHYL-5-(2-METHYLBUTYL)PYRAZINE	W530532	C42603	HC-23SI2806
63. 2,3-DIMETHYLPYRAZINE 95%, FCC, FG	W327107	B48775	HC-23SINP80
64. 2,3-HEPTANEDIONE 97%, FG	W254304	B82696	HC-23SI5922
65. 2,3-HEXANEDIONE 95%, FG	W255807	B75248	HC-23SI6M71
66. 2,3-HEXANEDIONE, NATURAL	W255801	C41911	HC-23SIDR52
67. 2,3-PENTANEDIONE 96%, FCC, FG	W284106	A10792	HC-23SI4C16
68. 2,3-PENTANEDIONE NATURAL, 96%, FG	W284114	B27079	HC-23SIEH43
69. 2,4,5-TRIMETHYLTHIAZOLE 98%, FG	W332518	B73600	HC-23SI3Y59

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Product Name	Product Code	Halal-ID	Product Certificate #
70. 2,4-DIHYDROXYBENZOIC ACID 97%	W379808	B18532	HC-23SIX772
71. 2,4-DIMETHYL-5-ACETYLTHIAZOLE 97%	W326704	B37306	HC-23SI7503
72. 2,4-DODECADIENAL NATURAL (US)	W367000	D23339	HC-23SI8C75
73. 2,4-XYLENOL	W506206	C56647	HC-23SIRS71
74. 2,5-DIHYDROXY-1,4-DITHIANE, MIXTURE OF ISOMERS	W382604	C49392	HC-23SIP317
75. 2,5-DIMETHYL-2,5-DIHYDROXY-1,4-DITHIANE	W345001	C49391	HC-23SI5M32
76. 2,5-DIMETHYL-3-OXO-(2H)-FUR-4-YL BUTYRATE NATURAL	W397025	D23342	HC-23SIZD22
77. 2,5-DIMETHYL-4-METHOXY-3(2H)-FURANONE 97%, FG	W366404	A19123	HC-23SIAD75
78. 2,5-DIMETHYL-4-METHOXY-3(2H)-FURANONE, NATURAL,	W366412	B25950	HC-23SIC533
79. 2,5-DIMETHYLPYRAZINE 98%, FCC, FG	W327204	A93107	HC-23SI7873
80. 2,5-DIMETHYLTHIOPHENE 98%	W515507	A55841	HC-23SIUI14
81. 2,5-XYLENOL 99%, FG	W359505	B45216	HC-23SIBM59

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Product Name	Product Code	Halal-ID	Product Certificate #
82. 2,6 DIMETHYLPYRAZIN, NATURAL	W327312	C10273	HC-23SITO82
83. 2,6,6-TRIMETHYL-1-CYCLOHEXENE-1-ACETALDEHYDE, 75%	W347418	B63306	HC-23SI3C82
84. 2,6-DIMETHOXYPHENOL 98%, FG	W313718	A36534	HC-23SITF93
85. 2,6-DIMETHOXYPHENOL, NATURAL, =96%, FG	W313726	A69900	HC-23SIJV19
86. 2,6-DIMETHYL-5-HEPTENAL FCC	W238902	B14462	HC-23SI5T46
87. 2,6-DIMETHYL-5-HEPTENAL, NATURAL MIXTURE OF ISOMERS	W238920	C20181	HC-23SIVD70
88. 2,6-DIMETHYL-5-HEPTENOL NATURAL	W478955	D23356	HC-23SI8929
89. 2,6-DIMETHYLBENZENETHIOL 95%, FG	W366609	B58842	HC-23SII451
90. 2,6-DIMETHYLPYRAZINE 98%, FG	W327301	A48748	HC-23SIHC72
91. 2,6-DIMETHYLPYRIDINE 99%	W354007	B84767	HC-23SI7Q38
92. 2,6-XYLENOL	W324906	C53467	HC-23SI4J46

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Page 8 of 99



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Product Name	Product Code	Halal-ID	Product Certificate #
93. 2-AMINOACETOPHENONE 98%	W390607	B62967	HC-23SI3E79
94. 2-ACETYL-1-METHYLPYRROLE 98%	W318418	B70685	HC-23SI2436
95. 2-ACETYL-2-THIAZOLINE	W381718	C37189	HC-23SI8Z64
96. 2-ACETYL-3,5(6)-DIMETHYLPYRAZINE, MIXTURE OF ISOMERS 98%	W332704	A34512	HC-23SIFN80
97. 2-ACETYL-3,5(6)-DIMETHYLPYRAZINE, MIXTURE OF ISOMERS, =98%, FG	W332700	B73495	HC-23SI8556
98. 2-ACETYL-3-ETHYLPYRAZINE 98%, FG	W325007	A41326	HC-23SIDX24
99. 2-ACETYL-3-METHYLPYRAZINE 98%, FG	W396400	A76622	HC-23SIR765
100. 2-ACETYL-5-METHYLFURAN 98%	W360902	B34338	HC-23SIGY87
101. 2-ACETYLPYRAZINE 99%, FCC, FG	W312606	A50484	HC-23SIJC82
102. 2-ACETYLPYRAZINE, =98%, NATURAL, FG	W312612	B38718	HC-23SI7K11
103. 2-ACETYLPYRIDINE 99%, FG	W325104	A11107	HC-23SI3V18

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Page 9 of 99



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Product Name	Product Code	Halal-ID	Product Certificate #
104. 2-ACETYLTHIAZOLE 99%, FG	W332801	B77857	HC-23SI3U89
105. 2-ACETYLTHIOPHENE 98%, FG	W503509	B18491	HC-23SIXE71
106. 2-BUTANONE 99.5%, FCC, FG	W217018	A13055	HC-23SI4333
107. 2-BUTANONE, NATURAL, =99%, FG	W217012	A27689	HC-23SIZ529
108. 2-BUTYL-2-OCTENAL NATURAL (US)	W461655	D23350	HC-23SIR235
109. 2-ETHOXYTHIAZOLE 99%	W334006	A49784	HC-23SIHV77
110. 2-ETHYL-1-HEXANOL 99%, FG	W315109	B19988	HC-23SIWB86
111. 2-ETHYL-2-HEXENAL MIXTURE OF ISOMERS, NATURAL (US)	W461216	D23349	HC-23SI9F50
112. 2-ETHYL-3(5 OR 6)-DIMETHYLPYRAZINE, MIXTURE OF ISOMERS 95%, FG	W314900	B86821	HC-23SIYT54
113. 2-ETHYL-3-METHOXYPYRAZINE	W514403	C47745	HC-23SI1M21
114. 2-ETHYL-3-METHYLPYRAZINE 98%, FCC, FG	W315508	A96299	HC-23SIJW94

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Page 10 of 99



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Product Name	Product Code	Halal-ID	Product Certificate #
115. 2-ETHYL-4-METHYL-1,3-DITHIOLANE	W487012	D23358	HC-23SIIY46
116. 2-ETHYL-4-METHYLTHIAZOLE 98%, FG	W368008	A49565	HC-23SIH376
117. 2-ETHYLBENZENETHIOL	W334502	C36288	HC-23SI6T56
118. 2-ETHYLBUTYRIC ACID	W242918	C39741	HC-23SINP78
119. 2-ETHYLFENCHOL 97%, FCC	W349100	B46801	HC-23SIN871
120. 2-ETHYLFURAN 99%	W367303	A12155	HC-23SI2V23
121. 2-ETHYLHEXYL ACETATE 99%	W514705	B17664	HC-23SIVS67
122. 2-ETHYLHEXYL SALICYLATE 99%	W514500	B56275	HC-23SIRU36
123. 2-ETHYLPYRAZINE 98%, FG	W328103	R) A88364	HC-23SIMJ42
124. 2-ETHYLPYRIDINE	W800025	C10279	HC-23SI4E45
125. 2-FURANMETHANETHIOL FORMATE 97%, FG	W315818	B51565	HC-23SIOV04
126. 2-FURYL METHYL KETONE 99%, FG	W316318	B59323	HC-23SIH952

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Product Name	Product Code	Halal-ID	Product Certificate #
127. 2-FURYL METHYL KETONE, NATURAL (US)	W316315	C29501	HC-23SI7M67
128. 2-HEPTANOL =97%	W328804	C29585	HC-23SIAK64
129. 2-HEPTANOL 97%	W328800	B23068	HC-23SI1P10
130. 2-HEPTANONE 98%, FCC, FG	W254401	A70465	HC-23SIHY22
131. 2-HEPTANONE, NATURAL	W254430	C20187	HC-23SIUB04
132. 2-HEXYL-2-DECENAL MIXTURE OF CIS AND TRANS	W478601	D23354	HC-23SIF276
133. 2-HEXYL-2-DECENAL NATURAL (US), MIXTURE OF CIS AND TRANS, ST	W478620	D23355	HC-23SIJK61
134. 2-ISOBUTYL-3-METHOXYPYRAZINE 99%, FG	W313203	A45006	HC-23SI4L44
135. 2-ISOBUTYL-3-METHYLPYRAZINE 99%, FG	W313300	A71869	HC-23SITL32
136. 2-ISOBUTYLTHIAZOLE 99%, FG	W313408	B53627	HC-23SIP118
137. 2-ISOPROPYL-4-METHYLTHIAZOLE 98%, FG	W355518	B72748	HC-23SIBG51

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Product Name	Product Code	Halal-ID	Product Certificate #
138. 2-ISOPROPYL-5-METHYL-2-HEXENAL 95%, FG	W340618	B68527	HC-23SI8Z20
139. 2-Isopropyl-N,2,3-trimethylbutyramide	W380423	C29811	HC-23SIPT19
140. 2-ISOPROPYLPHENOL	W346101	C44273	HC-23SI8762
141. 2-MERCAPTO-3-BUTANOL MIXTURE OF ISOMERS, 97%, FO	G W350206	B24057	HC-23SIZO20
142. 2-MERCAPTOPROPIONIC ACID 95%	W318000	A34205	HC-23SIG977
143. 2-METHOXY-3-(1-METHYLPROPYL)PYRAZINE 98%, FG	W343307	B66331	HC-23SI4U06
144. 2-METHOXY-3(5 OR 6)-ISOPROPYLPYRAZINE	W335809	C29623	HC-23SI9X43
145. 2-METHOXY-3(5 OR 6)-ISOPROPYLPYRAZINE 98%	W335800	A12615	HC-23SI3Z28
146. 2-METHOXY-3-METHYLPYRAZINE 99%, FCC, FG	W318302	B20615	HC-23SIYO91
147. 2-METHOXY-4-METHYLPHENOL 98%, FG	W267104	B41333	HC-23SI8K25
148. 2-Methoxy-4-Methylphenol, Natural	W267112	C41912	HC-23SI8K23
149. 2-METHOXY-4-VINYLPHENOL 98%	W267511	B83657	HC-23SIFH29

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Product Name	Product Code	Halal-ID	Product Certificate #
150. 2-METHOXYCINNAMALDEHYDE, NATURAL	W318101	C36287	HC-23SIQL08
151. 2-METHOXYPYRAZINE 99%, FCC, FG	W330205	A49297	HC-23SIHS75
152. 2-METHOXYTHIOPHENOL 97%, FG	W415901	A23042	HC-23SI3C02
153. 2-METHYL-1-BUTANETHIOL	W330302	C44270	HC-23SIS125
154. 2-METHYL-1-BUTANOL 99%, FG	W399809	A95844	HC-23SIJZ92
155. 2-METHYL-1-BUTANOL NATURAL, 99%, FG	W399817	A61564	HC-23SIOF49
156. 2-METHYL-1-PROPANETHIOL 95%, FG	W387401	B76710	HC-23SICE82
157. 2-METHYL-2-PENTENAL 97%, FG	W319406	A95368	HC-23SIJ888
158. 2-METHYL-3(5 OR 6)-ETHOXYPYRAZINE MIXTURE OF ISOMERS, 99%	W356905	B87037	HC-23SICF58
159. 2-METHYL-3-(P-ISOPROPYLPHENYL)PROPIONALDEHYDE 95%, FCC, FG	W274305	A77909	HC-23SIT579
160. 2-METHYL-3-FURANTHIOL 95%, FG	W318809	B38394	HC-23SI7M09

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Page 14 of 99



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Product Name	Product Code	Halal-ID	Product Certificate #
161. 2-METHYL-3-FURANTHIOL ACETATE, 98%, FG	W397301	B23066	HC-23SI1W09
162. 2-METHYL-3-METHYLTHIOFURAN 98%, FG	W394904	A63206	HC-23SIGH67
163. 2-METHYL-3-TETRAHYDROFURANTHIOL MIXTURE OF CIS AND TRANS, 97%, FG	W378704	A67853	HC-23SIFB01
164. 2-METHYL-4-PENTENOIC ACID 98%, FG	W351105	B32706	HC-23SIF873
165. 2-METHYL-4-PROPYL-1,3-OXATHIANE, MIXTURE OF CIS AND TRANS 98%, FG	W357804	B57071	HC-23SII842
166. 2-METHYLANISOLE	W268003	C39746	HC-23SIW687
167. 2-METHYLBUTYL 2-METHYLBUTYRATE 95%, FG	W335908	B32536	HC-23SIF372
168. 2-METHYLBUTYL ACETATE 99%, FG	W364401	B33601	HC-23SIHJ81
169. 2-METHYLBUTYL ACETATE NATURAL, FG	W364428	B56841	HC-23SIIE41
170. 2-METHYLBUTYL ISOVALERATE 98%, FCC, FG	W350605	A68101	HC-23SIJA03
171. 2-METHYLBUTYL ISOVALERATE NATURAL, 98%, FCC, FG	W350613	B25411	HC-23SICG31

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Muhammad Munir Chaudry, Ph.D. President







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Plant Name & Address: Aldrich Chemical Company, LLC 5485 County Road V Sheboygan Falls, Wisconsin 53085 USA

Product Name	Product Code	Halal-ID	Product Certificate #
172. 2-METHYLBUTYRALDEHYDE 95%, FG	W269107	A57208	HC-23SIWI21
173. 2-METHYLBUTYRIC ACID 98%, FG	W269506	A64485	HC-23SI8573
174. 2-METHYLFURAN 98%, STABILIZED WITH BHT	W417901	A60349	HC-23SIO240
175. 2-METHYLFURAN, =99%, FG	W417920	A96434	HC-23SIIN98
176. 2-METHYLHEPTANOIC ACID 97%	W270601	A14556	HC-23SI4Q43
177. 2-METHYLHEXANOIC ACID 99%, FG	W319104	B43142	HC-23SIAX41
178. 2-METHYLPENTANOIC ACID 98%, FCC, FG	W275409	A21136	HC-23SI1E90
179. 2-METHYLPYRAZINE 99%, FCC, FG	W330906	A22559	HC-23SIZ599
180. 2-METHYLTETRAHYDROFURAN-3-ONE 97%, FG	W337307	R) A81039	HC-23SIUK97
181. 2-METHYLTETRAHYDROFURAN-3-ONE, NATURAL, =97% FG	%, W337330	A34674	HC-23SIF582
182. 2-NONANONE NATURAL, 97%, FCC, FG	W278513	B36831	HC-23SI7G98

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183. 2-NONANONE, FG	W278505	C87826	HC-23SIGP90
184. 2-OCTANOL 97%	W280100	A64637	HC-23SI8V77
185. 2-OCTANONE	W280208	C39749	HC-23SIU494
186. 2-OCTANONE, NATURAL	W280220	C20189	HC-23SIDB56
187. 2-OCTYL-2-DODECENAL MIXTURE OF CIS AND TRANS	W478515	D23353	HC-23SI5E29
188. 2-PENTADECANONE 98%, FG	W372404	B70945	HC-23SI4O39
189. 2-PENTANOL 98%, FG	W331600	B11229	HC-23SIMD28
190. 2-PENTANONE	W284203	C42593	HC-23SI1A15
191. 2-PENTYLFURAN 98%, FG	W331708	B67187	HC-23SI8R13
192. 2-PHENYL-1-PROPANOL	W273201	C39747	HC-23SI3P77
193. 2-PHENYL-2-BUTENAL, MIXTURE OF CIS AND TRANS 97%, FG	, W322407	A97023	HC-23SIL204



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Page 17 of 99



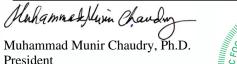
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Product Name	Product Code	Halal-ID	Product Certificate #
194. 2-PHENYL-2-BUTENAL, MIXTURE OF CIS AND TRANS, 97% FG	, W322400	B61433	HC-23SIJ767
195. 2-PHENYLETHYL ISOTHIOCYANATE 99%, FG	W401404	A24941	HC-23SIYD09
196. 2-PHENYLPROPIONALDEHYDE 95%, FCC, FG	W288608	A57918	HC-23SIW925
197. 2-PROPANETHIOL NATURAL (US)	W389755	D23341	HC-23SIHX54
198. 2-PROPYLPYRAZINE	W396103	C29792	HC-23SI6B50
199. 2-THIENYL DISULFIDE 95%	W332305	A34305	HC-23SIG278
200. 2-THIOPHENETHIOL 90%	W306207	A42146	HC-23SI5Q33
201. 2-TRIDECANONE 96%, FG	W338818	B20816	HC-23SIYW94
202. 2-TRIDECANONE NATURAL	W338820	D12706	HC-23SIGY89
203. 2-UNDECANOL	W324604	C49389	HC-23SIA242
204. 2-UNDECANONE 98%, FCC, FG	W309303	B64325	HC-23SIKB91



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205. 2-UNDECANONE NATURAL	W309311	D12699	HC-23SI5M30
206. 2-Undecen-1-Ol	W406801	A99884	HC-23SIM320
207. 3-(METHYLTHIO)-1-HEXANOL	W343803	C44272	HC-23SIAT77
208. 3-(METHYLTHIO)-1-HEXANOL NATURAL	W343847	D23337	HC-23SIO560
209. 3-(METHYLTHIO)-1-PROPANOL 98%, FG	W341509	A16595	HC-23SI9Z56
210. 3-(METHYLTHIO)BUTANAL 96%, FG	W337404	B35350	HC-23SIGN93
211. 3-(METHYLTHIO)HEXYL ACETATE 97%, FG	W378917	B23379	HC-23SI1J13
212. 3-(METHYLTHIO)PROPYL ISOTHIOCYANATE 98%, FG	W331201	A32483	HC-23SIE869
213. 3,4-DIMETHYL-1,2-CYCLOPENTADIONE 97%	W326801	B59475	HC-23SIHC55
214. 3,4-HEXANEDIONE 90%	W316814	A55482	HC-23SIUP10
215. 3,4-XYLENOL	W359602	C51542	HC-23SIQ783
216. 3,5,5-TRIMETHYLHEXANAL 95%, FG	W352403	A12153	HC-23SI3622

Muhammet Musin Chandy Muhammad Munir Chaudry, Ph.D.

President Munir Chaudry, Ph.D.









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217. 3,5-DIMETHYL-1,2-CYCLOPENTADIONE 97%	W326909	B87368	HC-23SIB262
218. 3,7-DIMETHYL-6-OCTENOIC ACID, NATURAL	W314220	C56643	HC-23SIQ586
219. 3-ACETYL-2,5-DIMETHYLFURAN 99%, FCC, FG	W339105	A19960	HC-23SIAE82
220. 3-ACETYL-2,5-DIMETHYLTHIOPHENE, 99%	W352705	A91560	HC-23SI5B63
221. 3-ACETYLPYRIDINE 98%, FG	W342408	A27288	HC-23SIZR23
222. 3-BUTYLIDENEPHTHALIDE MIXTURE OF CIS AND TRANS ISOMERS, 96%, FG	W333301	B67772	HC-23SI5M17
223. 3-DECANONE 97%	W396605	A12275	HC-23SI3N25
224. 3-DECEN-2-ONE PREDOMINANTLY TRANS, 97%	W353205	A65269	HC-23SIGW82
225. 3-ETHYL-2-HYDROXY-2-CYCLOPENTEN-1-ONE SOLUTION 50 WT. % IN PROPYLENE GLYCOL	W315214	B60245	HC-23SIKR58
226. 3-ETHYL-2-HYDROXY-2-CYCLOPENTEN-1-ONE, 97%	W315206	B63717	HC-23SIDB87
227. 3-ETHYLPYRIDINE 98%, FG	W339407	B78025	HC-23SIYZ91

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Product Name	Product Code	Halal-ID	Product Certificate #
228. 3-HEPTANONE 96%	W254509	A58782	HC-23SIVA32
229. 3-HEPYL ACETATE, NATURAL	W398000	B92007	HC-23SI2J43
230. 3-MERCAPTO-2-BUTANONE 80%	W329800	A86367	HC-23SIMP31
231. 3-MERCAPTOHEXYL ACETATE, =98%, FG	W385101	A55178	HC-23SIV506
232. 3-METHYL-1,2-CYCLOHEXANEDIONE 98%, FG	W330507	B67604	HC-23SI1316
233. 3-METHYL-1-PENTANOL 99%, FG	W376205	B16258	HC-23SIVB60
234. 3-METHYL-2-BUTANETHIOL 98%	W330418	A63580	HC-23SIGM69
235. 3-Methyl-2-Butenal	W364620	B43996	HC-23SI9F48
236. 3-METHYL-2-CYCLOHEXENONE 98%	W336009	R) A56162	HC-23SIX118
237. 3-METHYLBUTYL 2-METHYLBUTANOATE 98%	W350508	B83812	HC-23SI5231
238. 3-METHYLBUTYL 2-METHYLBUTANOATE NATURAL, METHYLBUTYL 2-METHYLBUTANOATE BASIS	70% 3- W350516	A21185	HC-23SI1Z91



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Page 21 of 99



Date: June 30, 2023 Document #: 4739.15720.II230010

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Product Name	Product Code	Halal-ID	Product Certificate #
239. 3-Methylpentanoic acid =98%, FG	W343706	C14972	HC-23SIB307
240. 3-METHYLPENTANOIC ACID 98%, FG	W343706	A86485	HC-23SIMK32
241. 3-NONANONE, 96%, FG	W344001	B43695	HC-23SI9V46
242. 3-OCTANOL 97%, FCC, FG	W358118	B64741	HC-23SIBB96
243. 3-OCTANOL NATURAL, 97%, FCC, FG	W358126	A82290	HC-23SIUI03
244. 3-OCTANONE 98%, FG	W280305	B10421	HC-23SIMV23
245. 3-OCTYL ACETATE 98%, FCC, FG	W358304	B53781	HC-23SIPP20
246. 3-OCTYL ACETATE, NATURAL (US)	W358315	C45653	HC-23SIR188
247. 3-PENTEN-2-ONE	W341720	C29651	HC-23SINM63
248. 3-PENTEN-2-ONE 70%	W341703	A38242	HC-23SIPI08
249. 3-PHENYLPROPIONIC ACID 99%, FG	W288918	B25199	HC-23SIDE27
250. 3-PHENYLPROPYL ISOBUTYRATE 98%, FG	W289302	B64394	HC-23SICZ93

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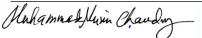
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Product Name	Product Code	Halal-ID	Product Certificate #
251. 3-PROPYLIDENEPHTHALIDE MIXTURE OF CIS AND TRANS ISOMERS, 96%, FG	W295205	A48552	HC-23SIHC70
252. 4-(4-HYDROXYPHENYL)-2-BUTANONE	W258806	C45647	HC-23SI3A57
253. 4-(4-HYDROXYPHENYL)-2-BUTANONE NATURAL, 98%, FCC, FG	W258814	A10777	HC-23SI7E15
254. 4-(4-METHOXYPHENYL)-2-BUTANONE 98%, FCC, FG	W267201	A61469	HC-23SIPM48
255. 4-(P-ACETOXYPHENYL)-2-BUTANONE 96%	W365203	A38054	HC-23SIMT07
256. 4,5,6,7-TETRAHYDRO-3,6-DIMETHYLBENZOFURAN 95%	W323500	A57066	HC-23SIWP20
257. 4,5-DIHYDRO-3(2H)-THIOPHENONE 98%, FG	W326607	A75633	HC-23SIPX55
258. 4,5-DIMETHYL-3-HYDROXY-2,5-DIHYDROFURAN-2-ONE 97%, FG	W363405	A91784	HC-23SI7T66
259. 4,5-DIMETHYL-3-HYDROXY-2,5-DIHYDROFURAN-2-ONE SOLUTION 10 WT. % IN PROPYLENE GLYCOL	W363413	B60888	HC-23SIJU62



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Product Name	Product Code	Halal-ID	Product Certificate #
260. 4,5-DIMETHYL-3-HYDROXY-2,5-DIHYDROFURAN-2-ONE SOLUTION 3 WT. % IN PROPYLENE GLYCOL	W363421	B73980	HC-23SI3N63
261. 4-METHYLACETOPHENONE 95%, FCC, FG	W267708	B41438	HC-23SI8G26
262. 4-ACETOXY-2,5-DIMETHYL-3(2H)FURANONE 95%, FG	W379700	A86680	HC-23SIMI34
263. 4-ACETOXY-2,5-DIMETHYL-3(2H)FURANONE, NATURAL (US)	W379715	C53469	HC-23SIOF36
264. 4-ALLYL-2,6-DIMETHOXYPHENOL	W365505	C29017	HC-23SI1G87
265. 4-ALLYLANISOLE	W241105	C56640	HC-23SIS689
266. 4-CARVOMENTHENOL	W224820	C35047	HC-23SI8W78
267. 4-CARVOMENTHENOL 92%, FCC	W224847	A37234	HC-23SIEY01
268. 4-ETHYLGUAIACOL 98%, FCC, FG	W243604	B28989	HC-23SIEI51
269. 4-ETHYLGUAIACOL, NATURAL	W243615	C36281	HC-23SIO398
270. 4-ETHYLOCTANOIC ACID 98%, FG	W380008	A41478	HC-23SI6S28

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Product Name	Product Code	Halal-ID	Product Certificate #
271. 4-ETHYLPHENOL 98%, FG	W315605	B60919	HC-23SIJN63
272. 4-HEPTANONE	W254606	C39745	HC-23SIZC16
273. 4-HEXEN-1-OL 96%, FG	W343005	A65247	HC-23SIH381
274. 4-HEXEN-3-ONE 92%	W335207	B63508	HC-23SI3T85
275. 4-HYDROXY-2,5-DIMETHYL-3(2H)-FURANONE 98%, FCC, FG	W317403	B21711	HC-23SIYB04
276. 4-HYDROXY-2,5-DIMETHYL-3(2H)-FURANONE NATURAL, =98%, FG	W317454	B18667	HC-23SIX774
277. 4-HYDROXY-2,5-DIMETHYL-3(2H)-FURANONE SOLUTION 10 WT. % IN PROPYLENE GLYCOL	W317411	A66917	HC-23SIE791
278. 4-Hydroxy-4-Methyl-7-cis-Decenoic Acid L-Lactone	W393713	C41924	HC-23SIJT89
279. 4-HYDROXY-5-METHYL-3-FURANONE 97%, FG	W363501	A88716	HC-23SILS43
280. 4-HYDROXYBENZALDEHYDE 97%, FG	W398403	B77103	HC-23SI3C87
281. 4-HYDROXYBUTANOIC ACID LACTONE	W329118	C37188	HC-23SICM38

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Product Name	Product Code	Halal-ID	Product Certificate #
282. 4-METHYL-1-PHENYL-2-PENTANONE 95%, FG	W274003	B60061	HC-23SIH956
283. 4-METHYL-2-PHENYL-2-PENTENAL, MIXTURE OF CIS AND TRANS 88%, STABILIZED	W320005	B45864	HC-23SIBK61
284. 4-METHYL-5-THIAZOLEETHANOL ACETATE 98%, FG	W320501	B80093	HC-23SIF602
285. 4-METHYL-5-THIAZOLEETHANOL FG	W320404	A45808	HC-23SI4849
286. 4-METHYL-5-VINYLTHIAZOLE 97%, FG	W331309	A77976	HC-23SITZ80
287. 4-METHYLANISOLE 99%, FCC, FG	W268100	A76428	HC-23SIR763
288. 4-METHYLNONANOIC ACID 97%	W357405	A22044	HC-23SI1M97
289. 4-METHYLPENTANOIC ACID 98%, FCC, FG	W346306	A46644	HC-23SI5U55
290. 4-METHYLPENTYL 4-METHYLVALERATE	W474900	C29023	HC-23SIK427
291. 4-METHYLTHIAZOLE 98%, FG	W371602	A89840	HC-23SI6451
292. 4-METHYLTHIO-4-METHYL-2-PENTANONE 98%, FG	W337609	B12522	HC-23SILW33

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Product Name	Product Code	Halal-ID	Product Certificate #
293. 4-OXOISOPHORONE 98%, FG	W342106	A20374	HC-23SI1W85
294. 4-PENTENOIC ACID 98%, FG	W284300	A84180	HC-23SILO19
295. 4-PROPYLPHENOL 97%, FG	W364908	A82170	HC-23SIUI02
296. 4-VINYLPHENOL SOLUTION 10 WT. % IN PROPYLENE GLYCOL, FG	W373923	A83184	HC-23SITC09
297. 5-(HYDROXYMETHYL)FURFURAL 99%, FG	W501808	B55566	HC-23SIRU29
298. 5,6,7,8-TETRAHYDROQUINOXALINE 97%, FG	W332100	B80753	HC-23SIFN06
299. 5-ETHYL-3-HYDROXY-4-METHYL-2(5H)-FURANONE 97%, FG	W315303	A65181	HC-23SIH880
300. 5-ETHYL-4-HYDROXY-2-METHYL-3(2H)-FURANONE NATURAL (US)	W362320	D23338	HC-23SI6Z52
301. 5-ETHYL-4-HYDROXY-2-METHYL-3(2H)-FURANONE, MIXTURE OF ISOMERS 96%, FG	W362301	A93955	HC-23SI7W77





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Product Name	Product Code	Halal-ID	Product Certificate #
302. 5H-5-METHYL-6,7-DIHYDROCYCLOPENTA[B]PYRAZINE 97%, FG	W330604	A17336	HC-23SI8H61
303. 5-METHYL-2-HEPTEN-4-ONE, PREDOMINANTLY TRANS 98%, FG	W376108	B49980	HC-23SIPL91
304. 5-Methyl-2-Phenyl-2-Hexenal	W319912	B15662	HC-23SIVD58
305. 5-METHYL-2-PHENYL-2-HEXENAL 96%, FG	W319902	A29924	HC-23SI1N50
306. 5-METHYL-2-THIOPHENECARBOXALDEHYDE FG	W320900	B81687	HC-23SIE115
307. 5-METHYLFURFURAL 98%, FG	W270202	A76901	HC-23SIR467
308. 5-METHYLQUINOXALINE 99%, FG	W320307	B26238	HC-23SICX36
309. 6,10-DIMETHYL-5,9-UNDECADIEN-2-ONE 97%	W354201	A94816	HC-23SIKX84
310. 6-AMYL-ALPHA-PYRONE 96%, FG	W369608	B55311	HC-23SIUV28
311. 6-METHOXY-2,6-DIMETHYLHEPTANAL, STABILIZED	W474505	D23352	HC-23SISD88
312. 6-METHYL-5-HEPTEN-2-OL NATURAL	W488401	D23359	HC-23SI6749

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Page 28 of 99



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Product Name	Product Code	Halal-ID	Product Certificate #
313. 6-METHYL-5-HEPTEN-2-ONE	W270709	C45648	HC-23SIEM59
314. 6-METHYLCOUMARIN 99%, FCC, FG	W269905	A36047	HC-23SISQ91
315. 6-METHYLQUINOLINE 98%, FG	W274402	A54652	HC-23SIVJ01
316. 9-DECENOIC ACID 95%, FG	W366005	B10710	HC-23SIMO26
317. a-ANGELICA LACTONE NATURAL (US)	W329355	D12704	HC-23SIVZ64
318. ACETAL 98%, FG	W200204	B70987	HC-23SI2Q40
319. ACETAL NATURAL, FG, 97%	W200220	B34607	HC-23SIGI91
320. Acetaldehyde	W200303	C41907	HC-23SIXZ78
321. ACETALDEHYDE NATURAL, 99%, FG	W200336	B18915	HC-23SIXZ76
322. ACETANISOLE 98%, FCC, FG	W200506	B49309	HC-23SIPW87
323. ACETIC ACID 99.5%, FCC, FG	W200611	B34313	HC-23SIG186
324. ACETIC ACID NATURAL, 99.5%, FG	W200603	A29395	HC-23SI2N45

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Product Name	Product Code	Halal-ID	Product Certificate #
325. ACETOIN 96%, FCC, FG	W200808	A10626	HC-23SI3W12
326. ACETOIN ACETATE, NATURAL	W352623	C20195	HC-23SIZ334
327. ACETOIN NATURAL, 95%, FG	W200832	A38631	HC-23SIPI10
328. ACETONE	W332607	D12705	HC-23SIE170
329. ACETOPHENONE 98%, FCC, FG	W200905	B16594	HC-23SIVZ63
330. ACETOVANILLONE	W508454	C44278	HC-23SILC11
331. Alginic Acid	W800014	B95987	HC-23SIMI37
332. Allyl Butyrate	W202118	C32914	HC-23SI6N49
333. ALLYL CYCLOHEXANEPROPIONATE 98%, FCC, FG	W202606	B87203	HC-23SIZ560
334. ALLYL DISULFIDE 80%, FG	W202800	A99044	HC-23SIKT14
335. ALLYL HEPTANOATE 97%, FCC, FG	W203106	B65198	HC-23SICQ99
336. Allyl Heptanoate Natural	W203111	C32915	HC-23SIV703

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Product Name	Product Code	Halal-ID	Product Certificate #
337. ALLYL HEXANOATE 98%, FCC, FG	W203203	A27383	HC-23SI1Z24
338. ALLYL HEXANOATE NATURAL, 98%, FCC, FG	W203211	A21869	HC-23SIZX96
339. ALLYL ISOTHIOCYANATE 93%, FCC	W203408	A18451	HC-23SIBH71
340. ALLYL PHENOXYACETATE, 99%	W203807	B71339	HC-23SIEL47
341. ALLYL SULFIDE 97%, FG	W204218	B67430	HC-23SI8214
342. ALLYL-ALPHA-IONONE, 65%	W203300	B38974	HC-23SI9515
343. ALMOND OIL, BITTER, NATURAL	W204600	C37172	HC-23SI6K49
344. ALMOND OIL, SWEET, CERTIFIED ORGANIC (NOP)	W530119	B71078	HC-23SI2U41
345. ALPHA, ALPHA-DIMETHYLPHENETHYL ACETATE 98%, FC	C W239208	A87965	HC-23SIM439
346. ALPHA,ALPHA-DIMETHYLPHENETHYL BUTYRATE 95%, FCC, FG	W239402	B82829	HC-23SI6J23
347. ALPHA-AMYLCINNAMALDEHYDE, MIXTURE OF CIS AND TRANS, 97%, FG	W206105	A77069	HC-23SIRZ68

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Product Name	Product Code	Halal-ID	Product Certificate #
348. ALPHA-ANGELICA LACTONE 98%, FG	W329304	A77798	HC-238IT277
349. ALPHA-HEXYLCINNAMALDEHYDE	W256900	C56641	HC-23SIKZ83
350. ALPHA-IONONE 90%	W259403	A14963	HC-23SI4346
351. ALPHA-IONONE NATURAL, 84%	W259411	B11046	HC-23SIMK27
352. ALPHA-ISOMETHYL IONONE	W271410	C29323	HC-23SI7501
353. ALPHA-METHYLBENZYL ACETATE 98%, FCC, FG	W268402	A29216	HC-23SI2K42
354. ALPHA-METHYLBENZYL ALCOHOL 99%, FCC	W268518	B26424	HC-23SICT37
355. ALPHA-METHYLCINNAMALDEHYDE	W269700	C51536	HC-23SI6Q51
356. ALPHA-PHELLANDRENE	W285609	A96339	HC-23SIJU95
357. ALPHA-PHELLANDRENE, NATURAL	W285611	C37185	HC-23SI4517
358. ALPHA-TERPINENE 89%, FCC, FG	W355801	B85422	HC-23SIHB43
359. ALPHA-TERPINEOL MIXTURE OF ISOMERS, 96%, FCC	C, FG W304506	B36081	HC-23SI8I96

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Product Name	Product Code	Halal-ID	Product Certificate #
360. ALPHA-TERPINEOL NATURAL, 96%, FCC, FG	W304522	A97018	HC-23SIL903
361. ALPHA-TERPINYL ACETATE, 95%, FG	W304799	B30622	HC-23SIFP63
362. AMMONIUM SULFIDE SOLUTION 20 WT. % IN H2O	W205303	A31891	HC-23SID964
363. AMYL ACETATE	W504009	C44277	HC-23SI1K83
364. AMYL BUTYRATE MIXTURE OF ISOMERS, 98%, FG	W205915	B21391	HC-23SIYN01
365. AMYL FORMATE 95%, FG	W206806	A31867	HC-23SIEF63
366. AMYL HEXANOATE 98%, FG	W207403	A58167	HC-23SIW526
367. AMYRIS OIL	W517100	B49175	HC-23SIM386
368. ANETHOL, NATURAL	W208620	C10278	HC-23SIF771
369. ANISOLE	W209708	C29070	HC-23SIRO70
370. ANISYL ACETATE 97%, FCC, FG	W209805	B44025	HC-23SI9K49
371. ANISYL ACETATE, NATURAL	W209890	C20177	HC-23SIOE96

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Product Name	Product Code	Halal-ID	Product Certificate #
372. ANISYL ALCOHOL 98%, FCC, FG	W209902	A17532	HC-23SIBM65
373. ANISYL ALCOHOL NATURAL, 98%, FG	W209910	A54743	HC-23SIVC02
374. ANISYL FORMATE 90%, FCC, FG	W210102	A75097	HC-23SIQW52
375. ANISYL PHENYLACETATE	W374008	C54819	HC-23SI7614
376. ANISYL PROPIONATE 98%, FG	W210218	A52782	HC-23SIIM92
377. AVOCADO OIL, CERTIFIED ORGANIC (NOP)	W530127	A30477	HC-23SI1E54
378. BASIL OIL, METHYL CHAVICOL TYPE, CERTIFIED ((NOP)	ORGANIC W530131	B62257	HC-23SII173
379. B-DAMASCONE	W324300	C35054	HC-23SIIF49
380. BENZALDEHYDE 98%, FG, FCC	W212709	B21085	HC-23SIYT96
381. BENZALDEHYDE DIMETHYL ACETAL	W212806	C54812	HC-23SIGT95
382. BENZALDEHYDE NATURAL, 98%, FCC, FG	W212717	B84402	HC-23SI7K36

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Product Name	Product Code	Halal-ID	Product Certificate #
383. BENZOIC ACID 99.5%, FCC, FG	W213101	B19125	HC-23SIXV77
384. BENZOIC ACID, NATURAL	W213128	C35035	HC-23SIQ840
385. BENZYL ACETATE 99%, FCC, FG	W213500	B79837	HC-23SIUL99
386. BENZYL ACETATE NATURAL, 99%, FCC, FG	W213519	B40499	HC-23SI9I21
387. BENZYL ALCOHOL 99%, FCC, FG	W213705	A30474	HC-23SI1N53
388. BENZYL ALCOHOL NATURAL, 98%, FG	W213713	B29827	HC-23SID457
389. BENZYL BENZOATE 99%, FCC	W213802	B49509	HC-23SIP188
390. BENZYL BENZOATE NATURAL, 99%, FCC, FG	W213810	B16051	HC-23SIVI59
391. BENZYL BUTYRATE 98%, FCC, FG	W214000	B69641	HC-23SI4M31
392. BENZYL BUTYRATE NATURAL, 98%, FCC	W214019	A29284	HC-23SI2U44
393. BENZYL CINNAMATE 98%	W214205	B46260	HC-23SIB466
394. BENZYL DISULFIDE 98%	W361704	A55831	HC-23SIUN13

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Product Name	Product Code	Halal-ID	Product Certificate #
395. BENZYL ETHER	W237108	C39739	HC-23SI6B50
396. BENZYL FORMATE	W214507	C39734	HC-23SIEH57
397. BENZYL FORMATE, NATURAL	W214520	C20178	HC-23SI5M36
398. BENZYL ISOBUTYRATE 97%, FCC, FG	W214108	A25888	HC-23SIXL13
399. Benzyl phenylacetate =98%, FCC, FG	W214906	C16103	HC-23SIIT45
400. BENZYL PROPIONATE	W215000	C45645	HC-23SI4L59
401. BENZYL SALICYLATE	W215104	C35041	HC-23SIN351
402. BENZYLIDENEACETONE 98%, FG	W288101	A37837	HC-23SIEI05
403. BERGAMOT OIL, ITALIAN	W215309	C47737	HC-23SIKV82
404. BETA IONONE PREDOMINANTLY TRANS, 97%, FCC, FC	G W259500	C87822	HC-23SI7L79
405. BETA-ALANINE	W325201	C49390	HC-23SIF175
406. BETA-CARYOPHYLLENE 80%, FCC	W225207	B86970	HC-23SICK57

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Product Name	Product Code	Halal-ID	Product Certificate #
407. BETA-CYCLOCITRAL 95%, FG	W363928	A96541	HC-23SILF99
408. BETA-IONONE, NATURAL (US)	W259525	C35048	HC-23SI2286
409. BIRCH OIL, SWEET, NATURAL	W215481	C53462	HC-23SIFB90
410. BIS(2-METHYL-3-FURYL) DISULFIDE 98%, FG	W325900	B78302	HC-23SIUB93
411. BIS(METHYLTHIO)METHANE 99%, FG	W387800	B35571	HC-23SIGC95
412. BOIS DE ROSE	W215600	C47738	HC-23SITL08
413. BUTAN-3-ONE-2-YL BUTANOATE	W333200	C10282	HC-23SIO948
414. BUTAN-3-ONE-2-YL BUTANOATE 98%, FCC	W333204	B38138	HC-23SI7X05
415. BUTYL (S)-(-)-LACTATE 97%	W220507	B 69484	HC-23SI5K29
416. BUTYL (S)-(-)-LACTATE, 97%, FG	W220500	A86199	HC-23SIMR29
417. BUTYL 10-UNDECENOATE	W221600	C42587	HC-23SILH76
418. BUTYL 2-METHYLBUTYRATE 97%, FG	W339318	B13294	HC-23SI6S41

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Product Name	Product Code	Halal-ID	Product Certificate #
419. BUTYL ACETATE	W217409	C44259	HC-23SIIG94
420. BUTYL ACETATE NATURAL, 98%, FG	W217417	B64754	HC-23SIGD97
421. BUTYL ALCOHOL 99.9%, FCC, FG	W217820	C87817	HC-23SI7K22
422. Butyl Alcohol Natural	W217816	C29012	HC-23SIIR10
423. BUTYL BENZOATE, 98%	W515000	A16526	HC-23SI9N54
424. BUTYL BUTYRATE 98%, FCC, FG	W218618	B39157	HC-23SI9Y17
425. BUTYL BUTYRATE, NATURAL	W218626	C44260	HC-23SIQQ43
426. BUTYL BUTYRYLLACTATE 98%, FCC, FG	W219002	B29479	HC-23SIDB54
427. BUTYL BUTYRYLLACTATE, NATURAL	W219010	C20179	HC-23SIJE79
428. BUTYL FORMATE	W219606	C51533	HC-23SI4O52
429. BUTYL HEXANOATE 98%, FG	W220108	C87818	HC-23SIMK30
430. BUTYL ISOBUTYRATE	W218804	C39736	HC-23SI6Z45

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Product Name	Product Code	Halal-ID	Product Certificate #
431. BUTYL ISOVALERATE 98%, FCC, FG	W221805	B20652	HC-23SIYK92
432. BUTYL PROPIONATE	W221104	C47739	HC-23SIN155
433. BUTYLAMINE 99%	W313009	B58157	HC-23SIIM48
434. BUTYLATED HYDROXYANISOLE 99%, FCC	W218308	A86672	HC-23SIMP33
435. BUTYRALDEHYDE, NATURAL	W221910	C29110	HC-23SILG12
436. BUTYRIC ACID NATURAL, 99%, FCC, FG	W222119	B80835	HC-23SI4T08
437. BUTYRIC ACID, 99%, FG	W222100	B71311	HC-23SICW45
438. CAFFEINE ANHYDROUS, FCC, 99%	W222402	B19191	HC-23SIXC81
439. CAMPHENE	W222910	C37174	HC-23SIHA83
440. CANOLA OIL, CERTIFIED ORGANIC	W530228	C35039	HC-23SI9T44
441. CARDAMOM OIL, CERTIFIED ORGANIC (NOP)	W224123	A97340	HC-23SILW05
442. CARROT SEED OIL, FG	W224405	A27262	HC-23SIZS22

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Product Name	Product Code	Halal-ID	Product Certificate #
443. CARVACROL 98%, FCC, FG	W224502	B71542	HC-23SIE748
444. CARVACROL, NATURAL	W224511	C36275	HC-23SI4851
445. CASSIA OIL	W225800	B71238	HC-23SI2J43
446. CASTOR OIL, CERTIFIED ORGANIC (NOP)	W226318	B24577	HC-23SIDY24
447. CEDARWOOD OIL, ATLAS TYPE, CERTIFIED ORGANIC (NOP)	W530143	B60381	HC-23SIKW59
448. CHAMOMILE MOROCCO	W521302	C35036	HC-23SIWH83
449. CHAMOMILE OIL, GERMAN, CERTIFIED ORGANIC (NOP)	W227315	A19847	HC-23SIAS81
450. CHOLINE CHLORIDE, 98%, FCC	W450001	B32384	HC-23SIFH70
451. CINNAMALDEHYDE NATURAL, 95%, FG	W228613	A21501	HC-23SI1S93
452. CINNAMIC ALCOHOL, NATURAL	W229411	C36278	HC-23SI5N58
453. CINNAMON BARK OIL FCC, FG	W229105	B21710	HC-23SIYI03

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Product Name	Product Code	Halal-ID	Product Certificate #
454. CINNAMON BARK OIL, CERTIFIED ORGANIC (NOP)	W229140	B29555	HC-23SIDG55
455. CINNAMON LEAF OIL, CERTIFIED ORGANIC (NOP)	W229208	B52053	HC-23SIQE11
456. CINNAMON OIL, CEYLON TYPE	W229202	B95984	HC-23SIW685
457. CINNAMYL ACETATE	W229318	C47740	HC-23SI8772
458. CINNAMYL ACETATE, NATURAL	W229301	C36277	HC-23SIJT87
459. CINNAMYL ALCOHOL 98%	W229407	B68364	HC-23SI8818
460. CINNAMYL BENZOATE, 98%, FG	W470301	A89117	HC-23SIOI46
461. CINNAMYL CINNAMATE, MIXTURE OF ISOMERS	W229806	C47741	HC-23SI6O46
462. Cinnamyl Isobutyrate	W229709	R) C29013	HC-23SIDC30
463. CIS-2-HEXEN-1-OL 96%, FG	W392405	B33342	HC-23SIHL79
464. CIS-2-NONEN-1-OL	W372005	C56645	HC-23SIG885
465. CIS-2-PENTEN-1-OL	W430500	C42600	HC-23SIC134

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Product Name	Product Code	Halal-ID	Product Certificate #
466. CIS-3,7-DIMETHYL-2,6-OCTADIEN-1-OL	W277002	C39748	HC-23SI7B97
467. CIS-3-HEPTEN-1-OL	W519030	C56648	HC-23SIDS66
468. CIS-3-HEXEN-1-OL 98%, FCC, FG	W256307	A41215	HC-23SID223
469. CIS-3-HEXEN-1-OL NATURAL, 98%, FCC, FG	W256323	A23218	HC-23SI3Z03
470. CIS-3-HEXENAL SOLUTION 50% IN TRIACETIN	W256102	A20251	HC-23SI2F84
471. cis-3-Hexenyl 2-Methylbutanoate	W349700	C41922	HC-23SIKD16
472. CIS-3-HEXENYL 3-METHYLBUTANOATE 97%, FCC, FC	G W349801	B38841	HC-23SI6K13
473. CIS-3-HEXENYL ACETATE 98%, FCC, FG	W317101	A81084	HC-23SIUD98
474. CIS-3-HEXENYL ACETATE NATURAL	W317128	A95025	HC-23SIJQ85
475. CIS-3-HEXENYL ACETATE, NATURAL	W317100	C29509	HC-23SIFP62
476. CIS-3-HEXENYL BENZOATE	W368806	C42598	HC-23SI5Q31
477. CIS-3-HEXENYL BUTYRATE 98%, FG	W340200	B28072	HC-23SIEY48

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Product Name	Product Code	Halal-ID	Product Certificate #
478. CIS-3-HEXENYL CIS-3-HEXENOATE 95%, FG	W368903	A56022	HC-23SIX815
479. CIS-3-HEXENYL FORMATE	W335304	C42596	HC-23SI9P20
480. CIS-3-HEXENYL HEXANOATE 98%, FG	W340308	A99561	HC-23SIM918
481. CIS-3-HEXENYL ISOBUTYRATE 98%, FG	W392901	A91511	HC-23SI5F62
482. CIS-3-HEXENYL LACTATE 98%, FG	W369004	A38324	HC-23SIPN09
483. CIS-3-HEXENYL PHENYLACETATE 99%	W363308	B20456	HC-23SIZZ88
484. CIS-3-HEXENYL PROPIONATE	W393304	C42599	HC-23SIDG90
485. CIS-3-HEXENYL TIGLATE	W393118	C44276	HC-23SISF90
486. CIS-4-DECENAL 93%, STABILIZED	W326402	R) B21092	HC-23SIYP97
487. CIS-4-HEPTENAL 98%, FCC, FG	W328901	B60926	HC-23SIJI64
488. CIS-5-OCTEN-1-OL 98%	W372218	A60734	HC-23SIPN43
489. CIS-6-NONEN-1-OL 95%, FG	W346500	A14331	HC-23SI4441

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Product Name	Product Code	Halal-ID	Product Certificate #
490. CIS-6-NONENAL 95%, FG	W358002	A62888	HC-23SINJ65
491. CIS-JASMONE	W319600	B44938	HC-23SIBT56
492. CITRAL DIETHYL ACETAL 93%	W230405	B52246	HC-23SIQ313
493. CITRAL DIMETHYL ACETAL 90%	W230502	A60477	HC-23SIPS41
494. CITRAL MIXTURE OF CIS AND TRANS, 96%, FG	W230308	A26988	HC-23SI1319
495. CITRAL, NATURAL	W230316	C37175	HC-23SI7G12
496. CITRIC ACID NATURAL, 99.5%, FCC, FG	W230633	C87819	HC-23SI7306
497. CITRIC ACID, 99.5%, FCC, FG	W230618	B46148	HC-23SIBB63
498. CITRONELLA OIL, JAVA, CERTIFIED ORGANIC (NOP)	W230840	A42469	HC-23SI6935
499. CITRONELLA OIL, JAVA, NATURAL	W230812	C53463	HC-23SI6U38
500. CITRONELLOL, MIXTURE OF ISOMERS, NATURAL	W230915	C36279	HC-23SIPL45
501. CITRONELLYL ACETATE	W231118	C42589	HC-23SITL31

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Product Name	Product Code	Halal-ID	Product Certificate #
502. CLOVE BUD OIL NATURAL (US), FCC, FG	W232300	B51830	HC-23SIQQ07
503. CLOVE BUD OIL, CERTIFIED ORGANIC (NOP)	W232314	A71757	HC-23SITK30
504. COCOA EXTRACT, BLEND, FG	W584649	B65604	HC-23SIG304
505. COCONUT OIL, VIRGIN, CERTIFIED ORGANIC (NOP)	W530155	B15645	HC-23SIWD57
506. COFFEE OIL, ROASTED, NATURAL (US)	W530618	C35037	HC-23SIJE66
507. COPAIBA BALSAM OIL	W521809	A41463	HC-23SI6526
508. CORIANDER OIL, NATURAL	W233404	C53464	HC-23SIUN97
509. CORNMINT OIL, CERTIFIED ORGANIC (NOP)	W421906	B48848	HC-23SINI82
510. COUMARIN	W526509	C42602	HC-23SIVV05
511. CUMINALDEHYDE 98%, FCC	W234109	B14973	HC-23SIWO53
512. CYCLOHEXYL ACETATE 98%, FG	W234907	A68608	HC-23SIJR08
513. CYCLOHEXYL BUTYRATE	W235105	C44262	HC-23SIKL11

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Product Name	Product Code	Halal-ID	Product Certificate #
514. CYCLOPENTANETHIOL 97%	W326208	B38236	HC-23SI7V07
515. CYCLOPENTANONE 99%, FG	W391018	A83289	HC-23SIT510
516. D-CAMPHOR	W223018	C51534	HC-23SIR934
517. D-CAMPHOR	W223023	C35042	HC-23SISB91
518. D-CARVONE	W224928	C39737	HC-23SI5G37
519. D-DIHYDROCARVONE, MIXTURE OF ISOMERS	W356506	C39751	HC-23SI2Q42
520. D-DIHYDROCARVONE, NATURAL	W356511	C35053	HC-23SIUV93
521. DECANAL	W236209	C39738	HC-23SIJY05
522. DECANAL, NATURAL	W236217	C36280	HC-23SIWN28
523. DECANOIC ACID 98%, FCC, FG	W236403	B58375	HC-23SIHB50
524. DECANOIC ACID NATURAL, 98%, FCC, FG	W236411	B79908	HC-23SI4C01
525. DELTA-DECALACTONE 98%, FCC, FG	W236101	B20919	HC-23SIY195

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Date: June 30, 2023 Document #: 4739.15720.II230010

Company Name & Address: Sigma-Aldrich Corporation 6000 N. Teutonia Avenue Milwaukee, Wisconsin 53209 USA

Plant Name & Address: Aldrich Chemical Company, LLC 5485 County Road V Sheboygan Falls, Wisconsin 53085 USA

Product Name	Product Code	Halal-ID	Product Certificate #
526. DELTA-DECALACTONE NATURAL, 98%, FCC, FG	W236128	A47681	HC-23SII465
527. DELTA-DODECALACTONE MIXTURE OF ISOMERS, 98%, FCC, FG	W240109	A10469	HC-23SIQ411
528. DELTA-DODECALACTONE, MIXTURE OF ISOMERS, NATURAL, 98%, FG	W240115	B50662	HC-23SIOA97
529. DELTA-HEXALACTONE	W316700	C42594	HC-23SIWN07
530. DELTA-NONALACTONE 98%, FCC, FG	W335606	B28381	HC-23SIET49
531. DELTA-TETRADECALACTONE 98%, FG	W359009	A42738	HC-23SI6237
532. DELTA-TETRADECALACTONE, NATURAL	W359020	C36290	HC-23SISM58
533. DELTA-UNDECALACTONE, 97%, FG	W329401	B23295	HC-23SI1P12
534. DIETHYL MALATE 97%, FG	W237418	A14166	HC-23SI4B40
535. DIETHYL MALONATE 98%	W237507	B27853	HC-23SIE146
536. DIETHYL SEBACATE 98%, FCC, FG	W237604	B29929	HC-23SID959

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Product Name	Product Code	Halal-ID	Product Certificate #
537. DIETHYL SUCCINATE 99%, FCC, FG	W237701	B84448	HC-23SI7Q37
538. DIETHYL SUCCINATE, NATURAL, =99%, FG	W237712	B52944	HC-23SIQ315
539. DIETHYL SULFIDE	W382501	C56646	HC-23SINF66
540. DIHYDRO-BETA-IONONE	W362603	C54818	HC-23SILS06
541. DIHYDROCOUMARIN 99%, FCC, FG	W238104	B54212	HC-23SIS623
542. DIHYDROJASMONE 98%	W376302	B24046	HC-23SIZK19
543. DIMETHYL DISULFIDE, 98%, FG	W353604	B76746	HC-23SI3Y83
544. DIMETHYL PHENYL ETHYL CARBINYL ISOBUTYRATE	W273601	A40050	HC-23SIDB17
545. DIMETHYL SUCCINATE	W239607	C44263	HC-23SIDK18
546. DIMETHYL SULFIDE NATURAL, 99%, FCC, FG	W274623	A29903	HC-23SI1M48
547. Dimethyl Sulfide, Redistilled	W274615	C41914	HC-23SIJN09
548. DIMETHYL SULFOXIDE 99%	W387509	A29885	HC-23SI1W47

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Product Name	Product Code	Halal-ID	Product Certificate #
549. DIMETHYL TRISULFIDE 98%, FG	W327506	B64729	HC-23SIGT95
550. DIPHENYL ETHER, 99%, FG	W366706	A85210	HC-23SIK425
551. DISODIUM SUCCINATE 98%	W327700	B73688	HC-23SI3Y60
552. DL-ALANINE 99%, FCC, FG	W381810	A30662	HC-23SIEO56
553. DL-Menthol	W266507	C29015	HC-23SIOJ95
554. DL-MENTHYL ACETATE 97%, FG	W266809	C87825	HC-23SITV81
555. DL-METHIONINE	W330108	C45650	HC-23SIZD31
556. DL-VALINE	W344400	C53468	HC-23SISH60
557. D-Octalactone, Mixture Of Isomers	W321405	C41920	HC-23SIFI65
558. D-RIBOSE, NATURAL	W379312	B88298	HC-23SI1689
559. d-Tridecalactone	W468501	C29022	HC-23SIUI12
560. D-Undecalactone, Mixture Of Isomers Natural	W329415	C41921	HC-23SIKF21

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Product Name	Product Code	Halal-ID	Product Certificate #
561. D-XYLOSE, NATURAL	W360620	B88310	HC-23SIZ715
562. ETHANETHIOL	W425800	C54820	HC-23SIH573
563. Ethyl 10-undecenoate	W246107	B95985	HC-23SI5347
564. ETHYL 2-AMINOBENZOATE 96%, FCC, FG	W242101	A43851	HC-23SI6U40
565. ETHYL 2-FUROATE 98%	W501301	A74454	HC-23SIQ849
566. ETHYL 2-MERCAPTOPROPIONATE 95%, FG	W327905	B42328	HC-23SIAI33
567. ETHYL 2-METHYL-1,3-DIOXOLANE-2-ACETATE	W447704	D23346	HC-23SIRN86
568. ETHYL 2-METHYL-4-PENTENOATE 98%	W348902	A77721	HC-23SITE74
569. ETHYL 2-METHYLBUTYRATE 98%, FCC, FG	W244309	R A33902	HC-23SIF275
570. ETHYL 2-METHYLBUTYRATE NATURAL, MIXTURE OF ENANTIOMERS, 98%, FCC, FG	W244317	B80172	HC-23SI4V03
571. ETHYL 2-TRANS-4-CIS-DECADIENOATE 80%	W314803	B55781	HC-23SIRB32

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Product Name	Product Code	Halal-ID	Product Certificate #
572. ETHYL 2-TRANS-4-CIS-DECADIENOATE NATURAL, 95%, FG	W314811	B10661	HC-23SIMK25
573. ETHYL 2-TRANS-4-CIS-DECADIENOATE, =95%, STABILIZED, FG	W314820	A63692	HC-23SIGF70
574. ETHYL 3-(FURFURYLTHIO)PROPIONATE 98%	W367400	B38325	HC-23SI7Q08
575. ETHYL 3-(METHYLTHIO)PROPIONATE 99%, FCC, FG	W334308	B47105	HC-23SINC72
576. ETHYL 3-HYDROXYBUTYRATE 97%, FG	W342807	A97903	HC-23SIK709
577. ETHYL 3-HYDROXYBUTYRATE, NATURAL	W342815	C20194	HC-23SIOJ33
578. ETHYL 3-HYDROXYHEXANOATE 98%, FG	W354503	B70042	HC-23SI4F33
579. ETHYL 3-METHYL-2-OXOPENTANOATE	W490355	D23360	HC-23SIE676
580. ETHYL 3-PHENYLGLYCIDATE MIXTURE OF CIS AND TRANS, 92%	W245402	A46401	HC-23SI5Z54
581. ETHYL ACETOACETATE NATURAL, 97%, FG	W241512	B14799	HC-23SI5V50
582. ETHYL BENZOATE, NATURAL	W242217	C37177	HC-23SIHB42

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Product Name	Product Code	Halal-ID	Product Certificate #
583. ETHYL BICYCLO[2.2.1]HEPT-2-ENE-5-CARBOXYLATE	W479010	D23357	HC-23SIKE12
584. ETHYL BUTYRATE 98%, FCC, FG	W242705	B46538	HC-23SIAS68
585. ETHYL BUTYRATE NATURAL, 98%, FCC, FG	W242713	A28734	HC-23SI2L38
586. ETHYL CINNAMATE 98%, FCC, FG	W243000	B82509	HC-23SIYK19
587. ETHYL CINNAMATE NATURAL, 95%, FG	W243019	B51250	HC-23SIO801
588. ETHYL DECANOATE 98%, FCC, FG	W243205	B44726	HC-23SIB354
589. ETHYL DECANOATE, NATURAL	W243213	C20182	HC-23SIRO37
590. ETHYL FORMATE 97%, FCC, FG	W243418	A88335	HC-23SIMQ41
591. ETHYL FORMATE NATURAL, 95%, FG	W243434	R A22264	HC-23SIZH98
592. ETHYL HEPTANOATE 98%, FCC, FG	W243701	B26223	HC-23SIC535
593. ETHYL HEXANOATE 98%, FCC, FG	W243906	A77129	HC-23SIRV69
594. ETHYL HEXANOATE NATURAL, 98%, FCC, FG	W243914	B85548	HC-23SIH444

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Product Name	Product Code	Halal-ID	Product Certificate #
595. ETHYL ISOBUTYRATE 98%, FCC, FG	W242802	B55621	HC-23SIRN30
596. ETHYL ISOBUTYRATE NATURAL, 98%, FCC, FG	W242810	A40388	HC-23SID920
597. ETHYL ISOVALERATE 98%, FCC, FG	W246301	A56928	HC-23SIWW19
598. ETHYL ISOVALERATE NATURAL, 98%, FCC, FG	W246328	A80691	HC-23SIUO96
599. ETHYL LACTATE 98%, FCC, FG	W244007	B42148	HC-23SI8S32
600. ETHYL LAURATE 98%, FCC, FG	W244104	A11780	HC-23SI3D21
601. ETHYL LEVULINATE 98%, FCC, FG	W244201	B46245	HC-23SIAD65
602. ETHYL LEVULINATE, NATURAL, 98%, FG	W244220	B27240	HC-23SIEA44
603. ETHYL MALTOL 99%, FCC, FG	W348708	R) A78277	HC-23SIST84
604. ETHYL MYRISTATE 98%, FCC, FG	W244503	A64584	HC-23SI8676
605. ETHYL NONANOATE 98%, FCC, FG	W244708	A72686	HC-23SITE35
606. ETHYL NONANOATE, NATURAL, 98%, FG	W244740	B54153	HC-23SIP922

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Product Name	Product Code	Halal-ID	Product Certificate #
607. ETHYL OCTANOATE 98%, FCC, FG	W244902	B62247	HC-23SIJV72
608. Ethyl Octanoate, Natural	W244910	C41909	HC-23SIA876
609. ETHYL PALMITATE 95%, FG	W245100	A84109	HC-23SILV18
610. ETHYL PALMITATE, NATURAL	W245115	C36282	HC-23SIUU95
611. ETHYL P-ANISATE	W242000	C10274	HC-23SIF583
612. ETHYL P-ANISATE 97%, FCC	W242004	A34966	HC-23SIFV84
613. ETHYL PHENYLACETATE 98%, FCC, FG	W245208	B29873	HC-23SID558
614. ETHYL PHENYLACETATE, NATURAL	W245230	C20184	HC-23SIAU80
615. ETHYL PROPIONATE 97%, FCC, FG	W245607	R) B62816	HC-23SI3L78
616. ETHYL PROPIONATE NATURAL, 97%, FCC, FG	W245615	B83651	HC-23SI5Q28
617. ETHYL PYRUVATE 97%	W245704	A23535	HC-23SI3U04
618. ETHYL PYRUVATE NATURAL, 95%, FG	W245712	A98244	HC-23SIKQ12

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Page 54 of 99



Date: June 30, 2023 Document #: 4739.15720.II230010

Company Name & Address: Sigma-Aldrich Corporation 6000 N. Teutonia Avenue Milwaukee, Wisconsin 53209 USA

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Product Name	Product Code	Halal-ID	Product Certificate #
619. ETHYL PYRUVATE, =97%, FG	W245735	B75829	HC-23SI6P73
620. ETHYL SALICYLATE 99%, FCC, FG	W245801	B31814	HC-23SIFI67
621. ETHYL TIGLATE 98%	W246018	B19723	HC-23SIWD84
622. ETHYL TIGLATE, =98%, FG	W246000	A11573	HC-23SI3O19
623. ETHYL TRANS-2-BUTENOATE 96%, FG	W348600	B20507	HC-23SIZQ89
624. ETHYL TRANS-2-DECENOATE 95%, FG (STABILISED)	W364118	A17436	HC-23SI8763
625. ETHYL TRANS-3-HEXENOATE 98%, FG	W334200	A26302	HC-23SIYV17
626. ETHYL VALERATE 98%, FG	W246204	A58632	HC-23SIVH30
627. ETHYL VANILLIN 98%, FCC, FG	W246409	A62715	HC-23SINT62
628. ETHYL VINYL KETONE	W338210	C29635	HC-23SIKZ10
629. ETHYL VINYL KETONE 95%, STABILIZED, FG	W338206	B55746	HC-23SIRI31
630. ETHYLCYCLOPENTENOLONE,NATURAL	W315230	C10275	HC-23SI6U48

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Product Name	Product Code	Halal-ID	Product Certificate #
631. ETHYLENE BRASSYLATE	W354309	C42597	HC-23SIMR51
632. ETHYL-TRANS-2-OCTENOATE 98%, FG	W364304	A77513	HC-23SIRO73
633. EUCALYPTOL, NATURAL	W246506	C39742	HC-23SILR17
634. EUCALYPTUS OIL, RADIATA, CERTIFIED ORGANIC (NOP)	W530089	A31255	HC-23SIEW60
635. EUGENOL 98%, FCC, FG	W246700	A29021	HC-23SI2K40
636. EUGENOL, NATURAL	W246719	C37178	HC-23SIFD89
637. Eugenyl Acetate	W246905	C32919	HC-23SI9M45
638. EVENING PRIMROSE OIL, CERTIFIED ORGANIC (NOP)	W530165	A75717	HC-23SISM56
639. FARNESENE, MIXTURE OF ISOMERS	W383902	C37190	HC-23SI5112
640. FARNESOL MIXTURE OF ISOMERS, 95%	W247804	A58430	HC-23SIWU27
641. FENCHYL ALCOHOL	W248010	C39743	HC-23SIMM53
642. FENNEL OIL, SWEET	W248207	C49386	HC-23SI3G11

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Product Name	Product Code	Halal-ID	Product Certificate #
643. FENUGREEK ABSOLUTE, NATURAL	W248606	B92008	HC-23SI7A70
644. FORMIC ACID 95%, FCC, FG	W248703	B63088	HC-23SI3F80
645. FRANKINCENSE OIL, CERTIFIED ORGANIC (NOP)	W281623	A92353	HC-23SI7J69
646. FUMARIC ACID	W248800	C36284	HC-23SIAG69
647. Fumaric Acid Natural	W248835	C29014	HC-23SIEI04
648. FURFURAL	W248908	C29218	HC-23SIBM57
649. FURFURAL, NATURAL	W248924	C29219	HC-23SIW934
650. FURFURYL 3-METHYLBUTANOATE 98%, FG	W328308	A84221	HC-23SIKM20
651. FURFURYL ACETATE 98%, FG	W249009	B26837	HC-23SICI39
652. FURFURYL ALCOHOL 97%, FG	W249106	B85854	HC-23SI6O47
653. FURFURYL ALCOHOL, NATURAL	W249166	C20185	HC-23SI6U53
654. FURFURYL BUTYRATE 99%	W501700	B76673	HC-23SI7T80

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Product Name	Product Code	Halal-ID	Product Certificate #
655. FURFURYL MERCAPTAN 97%, FG	W249300	A91210	HC-23SI5H59
656. FURFURYL MERCAPTAN, NATURAL	W249311	C29224	HC-23SIH771
657. FURFURYL METHYL SULFIDE	W316008	C51539	HC-23SIUU06
658. FURFURYL PROPIONATE 98%, FG	W334618	B51339	HC-23SIOV03
659. FURFURYL THIOACETATE 98%, FG	W316202	B46776	HC-23SIOF70
660. FURFURYL THIOACETATE NATURAL	W316255	D12702	HC-23SINH53
661. FURFURYL THIOPROPIONATE 98%	W334707	A74386	HC-23SIQA48
662. GAMMA-DECALACTONE 98%, FCC, FG	W236004	A24839	HC-23SIYK08
663. GAMMA-DODECALACTONE 97%, FCC, FG	W240001	R) A50487	HC-23SIJ583
664. GAMMA-DODECALACTONE, NATURAL	W240015	C37176	HC-23SIZO18
665. GAMMA-HEPTALACTONE 98%, FCC, FG	W253901	A53304	HC-23SII995
666. GAMMA-HEXALACTONE 98%, FCC, FG	W255602	A58544	HC-23SIWO29

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Product Name	Product Code	Halal-ID	Product Certificate #
667. GAMMA-METHYL DECALACTONE	W378621	C44275	HC-23SI7776
668. GAMMA-NONALACTONE	W278106	C44268	HC-23SIM936
669. GAMMA-NONANOIC LACTONE, NATURAL	W278140	C41917	HC-23SIJ989
670. GAMMA-OCTALACTONE 97%, FCC, FG	W279609	A76707	HC-23SIRZ66
671. GAMMA-OCTALACTONE NATURAL, 97%, FG	W279617	B61498	HC-23SIJ868
672. GAMMA-TERPINENE 95%, FG	W355909	B77473	HC-23SI3288
673. GAMMA-TERPINENE, NATURAL	W355901	C45652	HC-23SIN854
674. GAMMA-UNDECALACTONE 98%, FCC, FG	W309109	A93499	HC-23SI7474
675. GAMMA-UNDECALACTONE, NATURAL (US)	W309101	R) C35049	HC-23SI5R28
676. GAMMA-VALEROLACTONE 98%, FCC, FG	W310301	B39047	HC-23SI9116
677. GARLIC OIL, CHINESE	W250309	C44264	HC-23SIRW26
678. GERANIC ACID	W412101	C47743	HC-23SIN176

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Product Name	Product Code	Halal-ID	Product Certificate #
679. GERANIOL 97%, FCC, FG	W250708	A34589	HC-23SIFT81
680. GERANIOL, NATURAL	W250716	C39744	HC-23SIC932
681. GERANIUM OIL, CHINESE, NATURAL	W250813	C51535	HC-23SIDR67
682. GERANYL ACETATE FCC	W250902	A57458	HC-23SIWD22
683. GERANYL ACETATE, NATURAL	W250910	C44265	HC-23SIAZ73
684. GERANYL BUTYRATE, NATURAL	W251216	C20186	HC-23SIQA39
685. GERANYL ISOVALERATE 95%, FG	W251801	A51893	HC-23SIJZ86
686. Geranyl Isovalerate, US Natural	W251820	C32920	HC-23SIJ717
687. GERANYL PHENYLACETATE FCC	W251607	R) B12209	HC-23SILB31
688. GERANYL PROPIONATE, 95%, FCC, FG	W251704	B57603	HC-23SII143
689. GERANYL PROPIONATE, NATURAL, 95%, FG	W251700	B71908	HC-23SIBN50
690. GINGER OIL NATURAL, FCC, FG	W252204	A92063	HC-23SI7Q68

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Product Name	Product Code	Halal-ID	Product Certificate #
691. GLYCEROL, 99%, FCC, FG	W252506	B35474	HC-23SIGI94
692. GLYCINE, NATURAL	W328712	B88306	HC-23SIBT05
693. Grapefruit Oil, Florida Natural	W253006	C32921	HC-23SIQM44
694. GUAIACOL NATURAL, 98%, FG	W253200	A46856	HC-23SI5S57
695. Guaiacyl Phenyl Acetate	W253502	C32922	HC-23SIYU12
696. GUAICWOOD ACETATE	W522007	B26968	HC-23SICK41
697. HAZELNUT KETONE, NATURAL	W376112	C10280	HC-23SIAE72
698. HEPTANAL 95%, FCC, FG	W254002	A25370	HC-23SIYM10
699. HEPTANOIC ACID, NATURAL	W334812	C45651	HC-23SIDQ72
700. HEPTYL ACETATE 98%, FG	W254703	A80618	HC-23SIUQ95
701. Heptyl Acetate, Natural	W254711	C41910	HC-23SIPR90
702. HEPTYL ALCOHOL 97%, FCC, FG	W254800	C87821	HC-23SISD59

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Product Name	Product Code	Halal-ID	Product Certificate #
703. HEPTYL ALCOHOL, NATURAL	W254820	C10277	HC-23SIII91
704. HEPTYL FORMATE 98%	W255203	B49033	HC-23SIMG84
705. Heptyl Heptanoate Natural	W434100	C32923	HC-23SIQH42
706. HEXANAL 97%, FCC, FG	W255718	A72367	HC-23SITL34
707. HEXANAL NATURAL, 95%, FG	W255726	B57669	HC-23SIIV44
708. HEXANOIC ACID 98%, FCC, FG	W255904	A15114	HC-23SI6S47
709. HEXANOIC ACID NATURAL, =98%, FCC, FG	W255900	A16305	HC-23SI6Q53
710. HEXANOIC ACID NATURAL, 98%, FCC	W255912	B50016	HC-23SISX93
711. HEXYL 2-METHYLBUTANOATE 95%, FCC, FG	W349909	R) B14710	HC-23SI5Y48
712. HEXYL ACETATE 98%, FCC, FG	W256501	A11596	HC-23SI3X20
713. HEXYL ACETATE NATURAL, 98%, FCC, FG	W256528	A28594	HC-23SI2L37
714. HEXYL ALCOHOL	W256706	C37180	HC-23SISW24

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Muhammad Munir Chaudry, Ph.D. President









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Company Name & Address: Sigma-Aldrich Corporation 6000 N. Teutonia Avenue Milwaukee, Wisconsin 53209 USA

Plant Name & Address: Aldrich Chemical Company, LLC 5485 County Road V Sheboygan Falls, Wisconsin 53085 USA

Product Name	Product Code	Halal-ID	Product Certificate #
715. HEXYL ALCOHOL NATURAL, 98%, FCC, FG	W256714	A95057	HC-23SIJJ86
716. HEXYL BENZOATE FG	W369101	A68197	HC-23SIJ604
717. HEXYL BUTYRATE 98%, FG	W256803	B47388	HC-23SINW75
718. HEXYL BUTYRATE NATURAL	W256811	C37181	HC-23SIV261
719. HEXYL FORMATE	W257001	C45646	HC-23SI9559
720. HEXYL HEXANOATE 97%, FG	W257206	A63493	HC-23SIGI68
721. HEXYL ISOBUTYRATE 98%, FG	W317209	A99332	HC-23SIKH17
722. HEXYL ISOBUTYRATE, NATURAL (US)	W317215	C42595	HC-23SI4H30
723. HEXYL PROPIONATE 97%, FG	W257605	B22856	HC-23SI1108
724. HEXYL PROPIONATE, NATURAL (US)	W257615	C53465	HC-23SIIW74
725. HEXYL TRANS-2-BUTENOATE 95%, FCC	W335401	A27655	HC-23SI1527
726. HEXYL TRANS-2-BUTENOATE, 95%, FG	W335400	A26241	HC-23SIY516

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Product Name	Product Code	Halal-ID	Product Certificate #
727. HYDROCINNAMALDEHYDE 95%, FG, FCC	W288705	B69086	HC-23SIZF24
728. HYDROXYCITRONELLAL	W258318	C54814	HC-23SI4F48
729. HYDROXYCITRONELLAL DIMETHYL ACETAL 95%, FCC	W258504	A69303	HC-23SIJA15
730. HYSSOP OIL, CERTIFIED ORGANIC (NOP)	W259105	A42531	HC-23SI6736
731. ISOAMYL ACETATE 95%, 70% ISOAMYL ACETATE BASIS, FCC	W205508	B65160	HC-23SICX98
732. ISOAMYL ACETATE NATURAL, 97%, FCC, FG	W205532	B46677	HC-23SIOE69
733. ISOAMYL ALCOHOL 98%, FG	W205702	A27614	HC-23SI1C26
734. ISOAMYL ALCOHOL NATURAL, 98%, FG	W205710	A37931	HC-23SIMS06
735. ISOAMYL BENZOATE	W205818	C53460	HC-23SIQX06
736. ISOAMYL BENZOATE4-HYDROXY-2,5-DIMETHYL-3(2H)- FURANONE, 15 wt. % IN PROPYLENE GLYCOL	W317410	C53466	HC-23SIJF87
737. ISOAMYL BUTYRATE 98%, FCC, FG	W206008	A94399	HC-23SI7U78

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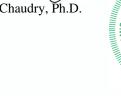
Company Name & Address: Sigma-Aldrich Corporation 6000 N. Teutonia Avenue Milwaukee, Wisconsin 53209 USA

Plant Name & Address: Aldrich Chemical Company, LLC 5485 County Road V Sheboygan Falls, Wisconsin 53085 USA

Product Name	Product Code	Halal-ID	Product Certificate #
738. ISOAMYL BUTYRATE NATURAL, 80% ISOAMYL BUTYRATI BASIS, FCC	E W206016	A20554	HC-23SI1186
739. ISOAMYL CINNAMATE 97%, FG	W206318	A13377	HC-23SI5N35
740. Isoamyl Cinnamate Natural	W206326	C32916	HC-23SI1W07
741. ISOAMYL FORMATE MIXTURE OF ISOMERS	W206903	A83789	HC-23SIL515
742. ISOAMYL HEXANOATE, MIXTURE OF ISOMERS FCC	W207500	B34106	HC-23SIH384
743. ISOAMYL ISOBUTYRATE 98%, FG	W350702	A88811	HC-23SILO44
744. ISOAMYL ISOBUTYRATE NATURAL, 98%, 70% ISOAMYL ISOBUTYRATE BASIS	W350710	B42915	HC-23SIAB38
745. ISOAMYL ISOVALERATE 98%, FCC	W208507	B42920	HC-23SIA739
746. ISOAMYL ISOVALERATE NATURAL, 98%, FCC, FG	W208515	A35342	HC-23SIQJ87
747. ISOAMYL OCTANOATE	W208000	C53461	HC-23SIN873
748. ISOAMYL OCTANOATE NATURAL, 98%, FG	W208019	B75097	HC-23SI6868

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This certificate is valid until July 31, 2024 and subject to renewal at that time.



Page 65 of 99



Date: June 30, 2023 Document #: 4739.15720.II230010

Company Name & Address: Sigma-Aldrich Corporation 6000 N. Teutonia Avenue Milwaukee, Wisconsin 53209 USA

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Product Name	Product Code	Halal-ID	Product Certificate #
749. ISOAMYL PHENYLACETATE NATURAL, 98%, FG	W208100	A73305	HC-23SIQ239
750. ISOAMYL PROPIONATE	W208205	C42585	HC-23SIJT07
751. Isoamyl Propionate Natural	W208213	C32918	HC-23SIZR07
752. ISOBORNEOL	W215805	C39735	HC-23SILA14
753. ISOBORNYL ACETATE	W216003	C37173	HC-23SIWG24
754. ISOBUTYL ACETATE 98%, FCC, FG	W217506	B66735	HC-23SIB908
755. ISOBUTYL ACETATE NATURAL, 97%, FCC, FG	W217514	B15184	HC-23SIWK54
756. ISOBUTYL ALCOHOL 99%, FCC, FG	W217905	A70506	HC-23SIIX23
757. ISOBUTYL ALCOHOL, NATURAL	W217913	C36274	HC-23SIZJ90
758. ISOBUTYL BUTYRATE 98%, FCC, FG	W218707	B25374	HC-23SIDG29
759. ISOBUTYL BUTYRATE, NATURAL	W218715	C44261	HC-23SI8S71
760. ISOBUTYL CINNAMATE 98%, FCC, FG	W219304	B71323	HC-23SI4846

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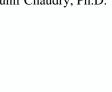
Company Name & Address: Sigma-Aldrich Corporation 6000 N. Teutonia Avenue Milwaukee, Wisconsin 53209 USA

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Product Name	Product Code	Halal-ID	Product Certificate #
761. ISOBUTYL FORMATE 95%, FG	W219703	A62065	HC-23SINR56
762. ISOBUTYL HEXANOATE	W220205	C42586	HC-23SIR184
763. ISOBUTYL HEXANOATE, NATURAL, 95%	W220213	A68354	HC-23SIJY06
764. ISOBUTYL ISOVALERATE, NATURAL (US)	W336900	C44271	HC-23SILC13
765. ISOBUTYL PHENYLACETATE 98%, FCC, FG	W221007	B10150	HC-23SIM721
766. ISOBUTYL PROPIONATE	W221201	C54813	HC-23SI9L57
767. ISOBUTYL PROPIONATE, NATURAL	W221240	C20180	HC-23SICF79
768. ISOBUTYL SALICYLATE 98%, FCC	W221309	B73576	HC-23SIAS58
769. Isobutyraldehyde	W222003	C41908	HC-23SIAR78
770. ISOBUTYRALDEHYDE NATURAL, 96%, FG	W222011	B48458	HC-23SINK79
771. ISOEUGENOL MIXTURE OF CIS AND TRANS, 99%, FG	W246808	B42336	HC-23SIAM34
772. ISOEUGENOL, NATURAL, 99%, FG	W246830	A71374	HC-23SIUW26

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Product Name	Product Code	Halal-ID	Product Certificate #
773. ISOEUGENYL ACETATE 98%, FCC, FG	W247006	B62049	HC-23SIJ171
774. ISOPENTYLAMINE 98%	W321907	A73282	HC-23SIRX38
775. ISOPENTYLAMINE, =98%	W321900	A26199	HC-23SIYC15
776. ISOPROPYL ACETATE 99%, FCC	W292605	B44899	HC-23SIBX55
777. Isopropyl Alchohol	W292912	B31239	HC-23SIFP64
778. ISOPROPYL ALCOHOL 99.7%, FCC, FG	W292907	A72077	HC-23SITG33
779. ISOPROPYL CINNAMATE 96%, FG	W293903	A78404	HC-23SISD86
780. Isopropyl Isovalerate	W296101	A10636	HC-23SI7813
781. ISOPROPYL MYRISTATE 98%	W355690	R) A76329	HC-23SISF61
782. ISOPROPYL PALMITATE	W515604	C47746	HC-23SIDP25
783. ISOPROPYL TIGLATE 98%	W322903	A91776	HC-23SI8V65
784. ISOVALERALDEHYDE	W269204	C29310	HC-23SIIP75

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Product Name	Product Code	Halal-ID	Product Certificate #
785. ISOVALERIC ACID 99%, FCC	W310204	A18898	HC-23SIAO74
786. ISOVALERIC ACID NATURAL, 98%, FG	W310212	A76605	HC-23SIRB64
787. JASMIN ABSOLUTE	W259802	A73962	HC-23SIQF45
788. JUNIPER BERRY OIL, CERTIFIED ORGANIC (NOP)	W260404	A91480	HC-23SI5B61
789. L-(+)-TARTARIC ACID 99.7%, FCC, FG	W304409	B66785	HC-23SI4J10
790. L-(+)-TARTARIC ACID, NATURAL	W304412	C29443	HC-23SIVV65
791. LACTIC ACID 85%, FCC	W261106	A18205	HC-23SIAM70
792. LACTIC ACID NATURAL, 85%	W261114	A37592	HC-23SIEU02
793. L-ALANINE, NATURAL	W381812	R) B88299	HC-23SI5U53
794. L-ARABINOSE, NATURAL	W325512	B88304	HC-23SI6R70
795. L-ARGININE, NATURAL	W381920	B88300	HC-23SIUG98
796. L-ASPARTIC ACID	w365612	B88311	HC-23SIOR05

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Product Name	Product Code	Halal-ID	Product Certificate #
797. LAURIC ACID 98%, FCC, FG	W261408	B13921	HC-23SI6Q43
798. LAURIC ACID, NATURAL	W261416	C36285	HC-23SIV304
799. LAURIC ALDEHYDE 95%, FCC, FG	W261505	B86829	HC-23SIYX55
800. LAURIC ALDEHYDE NATURAL, 95%, FG	W261513	A29554	HC-23SI1W46
801. LAURYL ACETATE	W261602	C47742	HC-23SI3285
802. LAURYL ALCOHOL 98%, FG	W261718	A65835	HC-23SIFD87
803. LAVENDER OIL, 40/42% FLEURS	W262218	C54815	HC-23SIX705
804. LAVENDER OIL, CERTIFIED ORGANIC (NOP)	W262235	A17426	HC-23SI9362
805. L-CARVEOL, MIXTURE OF CIS AND TRANS 95%, FG	W224707	R) B21303	HC-23SIYJ99
806. L-CARVONE 97%, FCC, FG	W224901	B76168	HC-23SIBM75
807. L-CARVONE, NATURAL	W224908	C36276	HC-23SI4P38
808. L-CYSTEINE	W326305	C51540	HC-23SIX316

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Product Name	Product Code	Halal-ID	Product Certificate #
809. L-CYSTEINE HYDROCHLORIDE	W778567	C49394	HC-23SIJ890
810. L-DIHYDROCARVYL ACETATE MIXTURE OF ISOMERS, 95%	W238007	A16587	HC-23SI9B55
811. LEMON OIL COLD-PRESSED, CALIFORNIA ORIGIN, FG	W262528	A62165	HC-23SIMP57
812. LEMON OIL, CERTIFIED ORGANIC (NOP)	W262533	A12161	HC-23SI2V24
813. LEMONGRASS OIL, CERTIFIED ORGANIC (NOP)	W262440	B44426	HC-23SIB552
814. LEVULINIC ACID 97%, FG	W262706	B80363	HC-23SI4L04
815. LEVULINIC ACID, NATURAL	W262701	C37182	HC-23SI3D26
816. L-FENCHONE 98%	W507709	A48344	HC-23SIIN68
817. L-GLUTAMIC ACID, NATURAL	W328512	B88305	HC-23SIKZ26
818. LIME OIL, CERTIFIED ORGANIC (NOP)	W530106	A62385	HC-23SINX61
819. LIME OIL, NATURAL, PURIFIED BY DISTILLATION	W263109	C37183	HC-23SIJZ84
820. LINALOOL 97%, FCC, FG	W263508	A13840	HC-23SI4I39

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Product Name	Product Code	Halal-ID	Product Certificate #
821. Linalool Oxide, Natural	W374600	C41923	HC-23SI1N94
822. LINALYL ACETATE 97%, FCC, FG	W263605	C87823	HC-23SIGY60
823. LINALYL ACETATE NATURAL, 80%	W263613	C87824	HC-23SIHI39
824. LINALYL BENZOATE 95%	W263818	B75571	HC-23SIC172
825. LINALYL BUTYRATE 95%, FG	W263907	B60074	HC-23SIHZ57
826. LINALYL FORMATE FCC	W264202	B22338	HC-23SIX506
827. LINALYL PROPIONATE 95%, FCC, FG	W264504	B79431	HC-23SIUS96
828. LINOLEIC ACID, 95%, FG	W338020	A77466	HC-23SIRO72
829. LITSEA CUBEBA OIL	W517208	B86730	HC-23SIYJ52
830. LITSEA CUBEBA OIL, CERTIFIED ORGANIC (NOP)	W384606	A52863	HC-23SIIK93
831. L-LEUCINE, NATURAL	W329712	B88307	HC-23SISK92
832. L-LINALOOL NATURAL	W263516	C35046	HC-23SIHX74

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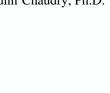
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Product Name	Product Code	Halal-ID	Product Certificate #
833. L-LYSINE HYDROCHLORIDE, NATURAL	W384712	B88301	HC-23SITS83
834. L-LYSINE,=98%, FG	W384720	A87506	HC-23SIMB38
835. L-MENTHOL NATURAL	W266523	D12697	HC-23SI9M47
836. L-MENTHONE MIXTURE OF ISOMERS, 96%, FCC, FG	W266701	B43017	HC-23SIA540
837. L-MENTHYL ACETATE, NATURAL	W266825	C42590	HC-23SI6367
838. L-MENTHYL LACTATE	W374800	C44274	HC-23SIKV11
839. L-PHENYLALANINE, NATURAL	W358512	B88309	HC-23SI4U43
840. L-PROLINE 99%, FCC, FG	W331902	B81660	HC-23SI4F14
841. L-RHAMNOSE MONOHYDRATE, NATURAL	W373012	B88297	HC-23SIJ870
842. L-RHAMNOSE, NATURAL	W373011	C20196	HC-23SIOK22
843. L-TURPENTINE	W308900	B44351	HC-23SIC751
844. L-VALINE, NATURAL	W344412	B88308	HC-23SINV28

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Product Name	Product Code	Halal-ID	Product Certificate #	
845. MACADAMIA OIL, CERTIFIED ORGANIC (NOP)	W530179	A99764	HC-23SIMA19	
846. MALIC ACID, NATURAL	W265512	B88303	HC-23SIPH47	
847. MALTOL 99.0%, FCC, FG	W265608	A93640	HC-23SI7276	
848. MALTOL NATURAL, 98.5%, FG	W265624	A92830	HC-23SI7D72	
849. MALTYL ISOBUTYRATE 98%, FG	W346209	A96794	HC-23SIL601	
850. MANDARIN GREEN OIL, CERTIFIED ORGANIC (NOP)	W265734	B82024	HC-23SI4E16	
851. MANDARIN OIL ITALIAN, FCC	W265713	A46947	HC-23SI4H60	
852. MANGO FURANONE NATURAL	W410100	D23343	HC-23SIZT84	
853. MARJORAM OIL, SWEET, CERTIFIED ORGANIC (NOP)	W266309	(R) A40020	HC-23SICH16	
854. Massoia Lactone Natural	W374400	C29018	HC-23SIBS66	
855. M-CRESOL 98%, FG	W353000	B61521	HC-23SIJ369	
856. MENTHALACTONE 99%	W376418	B17742	HC-23SIVO68	

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Product Name	Product Code	Halal-ID	Product Certificate #
857. MENTHYL ISOVALERATE 98%, FG	W266906	A49925	HC-23SIHM78
858. MENTHYL VALERATE NATURAL (US)	W415655	D23344	HC-23SIZD23
859. METHIONAL 97%, FG	W274704	A56085	HC-23SIX317
860. METHYL (METHYLTHIO)ACETATE, FG	W400301	A59396	HC-23SIOH34
861. METHYL 2-FUROATE	W270318	C37184	HC-23SI7D23
862. METHYL 2-FUROATE, NATURAL	W270327	C35051	HC-23SIAK37
863. METHYL 2-METHYL-3-FURYL DISULFIDE 98%, FG	W357308	A77859	HC-23SIT778
864. METHYL 2-METHYLBUTYRATE NATURAL, 98%, FCC, F		B32709	HC-23SIF174
865. METHYL 2-NONYNOATE 99%, FG	W272604	B50348	HC-23SIOE94
866. METHYL 2-OCTYNOATE 99%, FCC, FG	W272906	A47229	HC-23SI8Z63
867. METHYL 2-PYRROLYL KETONE 98%, FG	W320218	B69417	HC-23SI5V27
868. METHYL 2-THIOFUROATE 98%, FG	W331104	B81540	HC-23SIEX13

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Product Name	Product Code	Halal-ID	Product Certificate #
869. METHYL 3-(METHYLTHIO)PROPIONATE 98%, FG	W272000	A97501	HC-23SIKQ07
870. METHYL 3-HYDROXYHEXANOATE 97%, FG	W350818	B74585	HC-23SICJ65
871. METHYL 3-HYDROYBUTYRATE	W445000	C29020	HC-23SI1Z21
872. METHYL 3-NONENOATE 96%, FG	W371009	B14778	HC-23SI5R49
873. METHYL ACETATE 98%, FG	W267600	B51989	HC-23SIQA10
874. METHYL ACETATE NATURAL (US), 98%, FG	W267619	B23248	HC-23SI1Q11
875. METHYL ANTHRANILATE 98%, FCC, FG	W268208	A50458	HC-23SIJB81
876. METHYL ANTHRANILATE, 99%, NATURAL	W268216	A12972	HC-23SI4332
877. METHYL ANTHRANILATE, NATURAL, 99%, FG	W268224	A96208	HC-23SIJS93
878. METHYL BENZOATE, NATURAL	W268313	C35044	HC-23SIVE99
879. METHYL BUTYRATE 98%, FG	W269301	A27935	HC-23SIZX30
880. METHYL BUTYRATE NATURAL, 98%, FG	W269328	A30555	HC-23SIEX55

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Product Name	Product Code	Halal-ID	Product Certificate #
881. METHYL CINNAMATE NATURAL, 98%, FCC, FG	W269816	A97610	HC-23SIK308
882. METHYL CYCLOHEXADIENE MIXTURE OF ISOMERS, STABILIZED	W431105	D23345	HC-23SI6438
883. METHYL CYCLOPENTENOLONE ANHYDROUS, 98%, FCC, H	FG W270008	A46677	HC-23SI5N56
884. Methyl Cyclopentenolone Anhydrous, Natural	W270015	C41913	HC-23SI2935
885. METHYL CYCLOPENTENOLONE HYDRATE, NATURAL	W270036	C35050	HC-23SIKE14
886. METHYL DECANOATE	W505501	C45654	HC-23SIY211
887. METHYL DIHYDROJASMONATE, MIXTURE OF CIS AND TRANS 96%, FG	W340804	A54285	HC-23SIVE98
888. METHYL EUGENOL	W247502	C36283	HC-23SIZC14
889. METHYL FURFURYL DISULFIDE 95%, FG	W336203	A48090	HC-23SIIW66
890. METHYL FURFURYL MERCAPTOPROPIONATE	W453801	D23348	HC-23SINN81
891. METHYL HEXANOATE 99%, FG	W270806	B42402	HC-23SIAN35

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Plant Name & Address: Aldrich Chemical Company, LLC 5485 County Road V Sheboygan Falls, Wisconsin 53085 USA

Product Name	Product Code	Halal-ID	Product Certificate #
892. METHYL HEXANOATE NATURAL, 99%, FG	W270814	A96367	HC-23SIJJ97
893. METHYL ISOBUTYRATE, NATURAL	W269440	C42591	HC-23SI5K30
894. METHYL ISOEUGENOL 98%, FG	W247618	A43965	HC-23SI6V41
895. METHYL ISOVALERATE	W275301	C49388	HC-23SIXJ80
896. METHYL JASMONATE 95%	W341002	A37686	HC-23SIEN03
897. METHYL LAURATE	W271500	C44266	HC-23SIA861
898. METHYL LAURATE, NATURAL	W271511	C35052	HC-23SIJ585
899. METHYL OCTANOATE	W272809	C42592	HC-23SIGX94
900. METHYL P-ANISATE	W267902	C49387	HC-23SIAR36
901. METHYL PHENYLACETATE 98%, FCC, FG	W273309	B33282	HC-23SIE177
902. METHYL PROPIONATE	W274208	C51537	HC-23SI6V45
903. METHYL PROPYL DISULFIDE 95%, FG	W320102	B41988	HC-23SI8530

Muhammet Musin Chandy Muhammad Munir Chaudry, Ph.D.

Muhammad Munir Chaudry, Ph.D. President









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Product Name	Product Code	Halal-ID	Product Certificate #
904. METHYL P-TERT-BUTYLPHENYLACETATE 95%, FG	W269018	A73995	HC-23SIQJ46
905. METHYL SALICYLATE 98%, FCC, FG	W274518	B76694	HC-23SI4781
906. METHYL SALICYLATE, NATURAL, 98%, FCC, FG	W274502	A64498	HC-23SI8V74
907. METHYL STEARATE	W504807	C47744	HC-23SIBL68
908. METHYL SULFOXIDE, 99%, FG	W387520	A62198	HC-23SIOG58
909. METHYL THIOBUTYRATE 97%, FG	W331007	B28503	HC-23SIEP50
910. METHYL THIOBUTYRATE, NATURAL, =98%, FG	W331015	A65439	HC-23SIFR85
911. METHYL TRANS-2-NONENOATE 97%, FG	W272507	A32711	HC-23SIDQ71
912. METHYL TRANS-2-OCTENOATE 96%	W371203	R A17449	HC-23SI8S64
913. METHYL TRANS-3-HEXENOATE	W336408	C35045	HC-23SIIR67
914. METHYL TRANS-CINNAMATE 98%, FCC, FG	W269808	A36718	HC-23SISV94
915. Methyl Valerate	W275204	C41915	HC-23SIC244

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Product Name	Product Code	Halal-ID	Product Certificate #
916. METHYL VANILLATE 98%, FG	W510319	A98908	HC-23SIKO13
917. MUSK KETONE	W522902	C49393	HC-23SIK624
918. MYRCENE 90%, FCC, FG	W276200	A52411	HC-23SIJM90
919. MYRISTIC ACID 95%, FCC, FG	W276405	A16221	HC-23SI6Z52
920. MYRISTIC ACID NATURAL	W276413	B56499	HC-23SIRH38
921. N-Amyl Octanoate	W207918	C32917	HC-23SIJQ96
922. NEOHESPERIDIN DIHYDROCHALCONE 96%	W381101	B39393	HC-23SI9318
923. NEROLI OIL, MOROCCO FG	W277126	B12282	HC-23SIL432
924. NERYL ACETATE 98%, FCC, FG	W277304	R) A82414	HC-23SITC07
925. NERYL ACETATE, NATURAL	W277315	C44267	HC-23SIFO96
926. Neryl Isobutyrate	W277509	C41916	HC-23SIUD01

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Product Name	Product Code	Halal-ID	Product Certificate #
927. N-ETHYL-2-ISOPROPYL-5- METHYLCYCLOHEXANECARBOXAMIDE 99%, FG	W345501	A65273	HC-23SIFT83
928. NONANAL 95%, FCC	W278203	A13202	HC-23SI5U34
929. Nonanal Natural	W278220	C29016	HC-23SIBW67
930. NONANOIC ACID 96%, FG	W278408	B15203	HC-23SIWO55
931. NONANOIC ACID, NATURAL	W278430	C10276	HC-23SI7C99
932. NONYL ALCOHOL 98%, FCC	W278904	A60803	HC-23SIPS44
933. NOOTKATONE	W326620	B95988	HC-23SIM629
934. NOOTKATONE	W316620	B92009	HC-23SIDZ65
935. N-PROPYL ISOVALERATE, NATURAL (US)	W296000	C54817	HC-23SIQH09
936. O-ANISALDEHYDE	W407701	C39753	HC-23SI2A41
937. O-CRESOL	W348007	C51541	HC-23SIOB11

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Product Name	Product Code		Product Certificate #	
938. OCTANAL 95%, FCC, FG	W279706	A78484	HC-23SISH87	
939. OCTANAL, NATURAL	W279714	C36286	HC-23SIJE65	
940. OCTANOIC ACID 98%, FG	W279900	B46182	HC-23SIBK64	
941. OCTYL 2-METHYLBUTYRATE	W360406	B92010	HC-23SILX16	
942. OCTYL ACETATE 98%, FCC, FG	W280607	B13205	HC-23SI6Z39	
943. OCTYL BUTYRATE 98%, FG	W280704	B76535	HC-23SI7578	
944. OCTYL FORMATE	W280909	B92005	HC-23SITJ96	
945. OLEIC ACID NATURAL, FCC	W281506	B18681	HC-23SIXZ75	
946. OLIVE OIL, EXTRA VIRGIN, CERTIFIED ORGANIC (NOP)	W530191	R) A96823	HC-23SIL402	
947. OMEGA-PENTADECALACTONE 98%, FG	W284009	B52867	HC-23SIQY14	
948. O-METHOXYCINNAMALDEHYDE 96%, FG	W318108	B21566	HC-23SIYJ02	
949. OPOPONAX OIL NATURAL	W522600	B64342	HC-23SIK692	

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Product Code	Halal-ID	Product Certificate #
IA W282510	A57649	HC-23SIWB23
W282401	B75132	HC-23SI6169
W522708	C29831	HC-23SI6J81
W282812	A27427	HC-23SI1S25
W282928	A29917	HC-23SI1U49
W324000	B78093	HC-23SIUF92
W324205	A82307	HC-23SIU205
W314404	A68054	HC-23SIJE02
W530216	A30259	HC-23SI2551
W283207	A20954	HC-23SI1B88
W283215	C20190	HC-23SI3R62
	IA W282510 W282401 W522708 W282812 W282928 W324000 W324205 W314404 W530216 W283207	IA W282510 A57649 W282401 B75132 W522708 C29831 W282812 A27427 W282928 A29917 W324000 B78093 W324205 A82307 W314404 A68054 W530216 A30259 W283207 A20954

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Product Name	Pro	oduct Code	Halal-ID	Product Certificate #
961. P-ANISALDEHYDE 97.5%, FCC	W2	67007	A53714	HC-23SIVL96
962. P-ANISALDEHYDE, NATURAL	W2	67020	C20188	HC-23SIKM15
963. P-ANISIC ACID, NATURAL	W3	94512	C36292	HC-23SIHL80
964. PATCHOULI OIL, CERTIFIED ORGANIC (NOP)	W2	83823	B87080	HC-23SIZ759
965. p-Cresol	W2	33706	B88302	HC-23SI8G24
966. P-CYMENE 97%, FG	W2	35601	C87820	HC-23SIPG21
967. PEPPERMINT OIL NATURAL, FCC, FG	W2	84815	B31800	HC-23SIFN66
968. PEPPERMINT OIL PURIFIED BY RECTIFICATION, FC	C, FG W2	84807	B44455	HC-23SIBA53
969. PEPPERMINT OIL, CERTIFIED ORGANIC (NOP)	W2	84843	R) B18577	HC-23SIX273
970. PETITGRAIN OIL, PARAGUAY, CERTIFIED ORGANIC (NOP)		30183	A74869	HC-23SIQ451
971. PHENETHYL 2-METHYLBUTYRATE 95%, FCC, FG		63200	A35700	HC-23SIS590
972. PHENETHYL ACETATE 98%, FCC, FG	W2	85706	B49519	HC-23SIPW89

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This certificate is valid until July 31, 2024 and subject to renewal at that time.



Page 84 of 99



Date: June 30, 2023 Document #: 4739.15720.II230010

Company Name & Address: Sigma-Aldrich Corporation 6000 N. Teutonia Avenue Milwaukee, Wisconsin 53209 USA

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Product Name	Product Code	Halal-ID	Product Certificate #
973. PHENETHYL ACETATE NATURAL, 98%, FCC	W285714	A74845	HC-23SIQ850
974. PHENETHYL ALCOHOL 99%, FCC, FG	W285803	B82353	HC-23SIEM17
975. PHENETHYL ALCOHOL NATURAL, 99%, FCC, FG	W285811	B21142	HC-23SIYI98
976. PHENETHYL HEXANOATE 97%, FG	W322105	A65541	HC-23SIFM86
977. PHENETHYL HEXANOATE NATURAL (US)	W322120	D12703	HC-23SIDI26
978. PHENETHYL ISOVALERATE 98%, FCC, FG	W287105	B82692	HC-23SIXC21
979. PHENETHYL OCTANOATE 99%	W322202	B66757	HC-23SIB209
980. PHENETHYL PHENYLACETATE 98%, FCC, FG	W286605	A28093	HC-23SIZA33
981. PHENETHYL PROPIONATE 98%, FG	W286702	B76292	HC-23SIB677
982. Phenethyl Tiglate	W287008	C41918	HC-23SITA37
983. PHENOL 99%	W322318	A45866	HC-23SI4C50
984. PHENOL, NATURAL	W322340	C20192	HC-23SIAF79

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Product Name	Product Code	Halal-ID	Product Certificate #
985. PHENYL DISULFIDE, 98%	W322504	A60625	HC-23SIPS42
986. PHENYLACETALDEHYDE 95%, FCC, FG	W287407	A67842	HC-23SIFH99
987. PHENYLACETALDEHYDE DIMETHYL ACETAL 98%, FCC	W287601	A60025	HC-23SIO836
988. PHENYLACETIC ACID 99%, FCC, FG	W287806	A73354	HC-23SIQX40
989. PHENYLACETIC ACID, NATURAL	W287800	C20191	HC-23SIOC99
990. PHENYLETHYL MERCAPTAN	W389404	C14547	HC-23SIBT74
991. PHOSPHORIC ACID SOLUTION 85 WT. % IN H2O	W290017	A42153	HC-23SI6I34
992. PIMENTA LEAF OIL, NATURAL	W290106	C54816	HC-23SIEM61
993. PIPERIDINE 99%, FCC	W290807	A90942	HC-23SI5X57
994. PIPERIDINE, =99%, FG	W290820	B48191	HC-23SINT77
995. PIPERINE 97%, FG	W290904	A89045	HC-23SILH45
996. PIPERONAL 99%, FCC, FG	W291102	B33292	HC-23SIHQ78

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Product Name	Product Code	Halal-ID	Product Certificate #
997. PIPERONAL, NATURAL	W291113	C41919	HC-23SIOC12
998. PIPERONYL ISOBUTYRATE 98%, FG	W291307	B38924	HC-23SI6D14
999. P-MENTHA-8-THIOL-3-ONE MIXTURE OF CIS AND TRANS, 95%, FG	W317705	B69971	HC-23SI4F32
1000. P-MENTHA-8-THIOL-3-ONE MIXTURE OF CIS AND TRANS, NATURAL, 95%, FG	W317713	B82648	HC-23SIYI20
1001. POLYSORBATE 80 FG	W291706	A26587	HC-23SIYV18
1002. POTASSIUM ACETATE	W292001	C44269	HC-23SIVV07
1003. P-PROPYL ANISOLE 99%, FCC, FG	W293008	A67008	HC-23SIGZ92
1004. PRENYL ACETATE 98%	W420201	B68448	HC-23SI5719
1005. PROPANAL, 98%, NATURAL, FG	W292312	A14824	HC-23SI4J44
1006. PROPANIONALDEHYDE, =97%, FG	W292303	B48910	HC-23SIMC83
1007. PROPENYL GUAETHOL 99%, FCC	W292206	B84351	HC-23SIW435

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Product Name	Product Code	Halal-ID	Product Certificate #
1008. PROPIONIC ACID 99.5%, FCC, FG	W292400	A17335	HC-23SI8960
1009. PROPIONIC ACID NATURAL, 99%, FG	W292419	B73159	HC-23SI4J53
1010. PROPYL ACETATE 98%, FG	W292508	B17630	HC-23SIVZ66
1011. PROPYL ACETATE NATURAL, 97%, FCC, FG	W292516	A80349	HC-23SIUZ94
1012. PROPYL BUTYRATE 98%	W293407	B74777	HC-23SIC966
1013. PROPYL BUTYRATE NATURAL, 95%	W293415	A60234	HC-23SIO137
1014. PROPYL DISULFIDE 97%, FG	W322806	B32331	HC-23SIFC69
1015. PROPYL FORMATE 97%	W294306	A41360	HC-23SICQ25
1016. PROPYL GALLATE 98%, FCC	W294705	R) A36757	HC-23SISZ95
1017. PROPYL HEXANOATE NATURAL, 95%, FG	W294926	B13978	HC-23SI6544
1018. PROPYL LEVULINATE	W448001	C29021	HC-23SIFX79
1019. PROPYL MERCAPTAN 98%	W352101	A89164	HC-23SIOD47

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Product Name	Product Code	Halal-ID	Product Certificate #
1020. PROPYL PROPIONATE	W295809	C37186	HC-23SI7Q41
1021. PROPYL PROPIONATE NATURAL (US), 98%, FCC, FG	W295817	A78357	HC-23SITK85
1022. PROPYLENE GLYCOL 99.5%, FCC, FG	W294004	A44558	HC-23SI6O42
1023. P-TOLUALDEHYDE 97%, FG	W306800	B13587	HC-23SI6L42
1024. PYRAZINEETHANETHIOL 97%, FG	W323004	B60454	HC-23SIJP60
1025. PYRIDINE 99%	W296600	B23721	HC-23SIZV17
1026. PYRROLIDINE	W352316	C35040	HC-23SIVP08
1027. PYRUVALDEHYDE SOLUTION 40 WT. % IN H2O	W296902	B65459	HC-23SICH02
1028. PYRUVIC ACID NATURAL, 80%	W297070	R A69115	HC-23SIKI13
1029. QUININE MONOHYDROCHLORIDE DIHYDRATE 90%	W297607	B73411	HC-23SIBZ55
1030. QUINOLINE	W347000	C36289	HC-23SINA50
1031. RAPESEED OIL, NATURAL	W834500	C29846	HC-23SIO139

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Date: June 30, 2023 Document #: 4739.15720.II230010

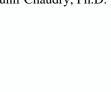
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Product Name	Product Code	Halal-ID	Product Certificate #
1032. RESORCINOL =98%	W358908	C14952	HC-23SIO959
1033. RHODINOL MIXTURE OF L-CITRONELLOL AND GERANIOL, FCC	W298018	B27677	HC-23SIE145
1034. ROSEMARY OIL FCC	W299200	B47184	HC-23SIN174
1035. ROSEMARY OIL, CERTIFIED ORGANIC (NOP)	W299225	B46336	HC-23SIAZ67
1036. SABINENE, NATURAL, 75%	W530597	A70062	HC-23SIIY20
1037. SAFRANAL 88%	W338907	B67095	HC-23SIEM11
1038. SAGE OIL, CERTIFIED ORGANIC (NOP)	W300100	A62859	HC-23SINQ64
1039. SALICYLALDEHYDE 98%, FG	W300403	B24238	HC-23SIZK21
1040. SALICYLIC ACID 99%, FG	W398500	A30819	HC-23SIE858
1041. SANDALWOOD OIL NATURAL	W300500	B59452	HC-23SIH453
1042. SASSAFRAS OIL	W510483	B58125	HC-23SIIR47

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Product Name	Product Code	Halal-ID	Product Certificate #
1043. SCLAREOL NATURAL	W450210	D23347	HC-23SIBS25
1044. S-METHYL THIOACETATE, NATURAL, 96%, FG	W387619	A14909	HC-23SI4945
1045. SODIUM ALGINATE	W201502	C36273	HC-23SIZE28
1046. SODIUM BENZOATE 99%, FCC, FG	W302503	B38553	HC-23SI7F10
1047. SODIUM CITRATE DIHYDRATE 99%, FG	W302600	B16352	HC-23SIV662
1048. SODIUM PROPIONATE	W518905	C42601	HC-23SIUI99
1049. SOYBEAN OIL, CERTIFIED ORGANIC	W530261	C35038	HC-23SI6L48
1050. SPEARMINT OIL RECTIFIED, FCC, FG	W303208	A76418	HC-23SIRB62
1051. SPEARMINT OIL, CERTIFIED ORGANIC (NOP)	W303237	B73405	HC-23SI3C54
1052. STEARIC ACID 95%, FCC, FG	W303518	A71722	HC-23SITR29
1053. STYRAX	W303704	A77797	HC-23SIT976
1054. SUCCINIC ACID FCC	W502707	B27956	HC-23SIET47

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Product Name	Product Code	Halal-ID	Product Certificate #
1055. SUCCINIC ACID NATURAL	W471912	D23351	HC-23SICS13
1056. SUCCINIC ACID, >99%, FCC, FG	W471920	B70083	HC-23SI3834
1057. SUCROSE OCTAACETATE 97%, FG	W303801	B19162	HC-23SIXS79
1058. TANNIC ACID	W304204	C37187	HC-23SIPP92
1059. TAURINE 98%, FG	W381306	B49168	HC-23SIM785
1060. TEA TREE OIL	W390208	A14368	HC-23SI4A42
1061. TEA TREE OIL, CERTIFIED ORGANIC (NOP)	W390215	B70787	HC-23SI2238
1062. TERPINOLENE 90%	W304603	A32150	HC-23SIE268
1063. TERPINYL ACETATE 95% (MIXTURE OF ISOMERS)	W304700	A69868	HC-23SIJ318
1064. TERPINYL FORMATE, MIXTURE OF ISOMERS 97%	W305200	A40301	HC-23SIDD19
1065. TETRAHYDRO-4-METHYL-2-(2-METHYL-1-PROPENYL)-2H- PYRAN MIXTURE OF CIS AND TRANS, 98%, FG	W323608	A69454	HC-23SIJ316

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Product Name	Product Code	Halal-ID	Product Certificate #
1066. TETRAHYDROFURFURYL ACETATE 97%, FG	W305502	B10410	HC-23SIMZ22
1067. THEASPIRANE MIXTURE OF CIS AND TRANS, 85%	W377406	B64040	HC-23SIKS89
1068. THIAMINE HYDROCHLORIDE 98%, FCC, FG	W332208	A39965	HC-23SICQ15
1069. THIAZOLE 99%	W361518	A28538	HC-23SIZG36
1070. THYME OIL RED	W306401	A27108	HC-23SI1920
1071. THYME OIL WHITE, FCC	W306509	B82988	HC-23SIX525
1072. THYME OIL, WHITE, CERTIFIED ORGANIC (NOP)	W306540	A65315	HC-23SIFR84
1073. THYMOL 99%, FCC	W306606	B10523	HC-23SIMT24
1074. TOLU BALSAM	W306908	R A47231	HC-23SII464
1075. TRANS, TRANS-2, 4-DECADIENAL 89%, FG	W313505	B53307	HC-23SIQY16
1076. TRANS, TRANS-2, 4-DECADIENAL, NATURAL, 89%	W313520	B11855	HC-23SILG30
1077. TRANS, TRANS-2, 4-HEPTANDIENAL 88%	W316407	A79788	HC-23SIV392

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Product Name	Product Code	Halal-ID	Product Certificate #
1078. TRANS, TRANS-2, 4-UNDECADIENAL, FG	W342203	A77764	HC-23SITI75
1079. TRANS, TRANS-2, 6-NONADIENAL 95%, FG	W376604	A27947	HC-23SIZ332
1080. TRANS-2, CIS-6-NONADIEN-1-OL 95%, FCC, FG	W278009	B54480	HC-23SIRP27
1081. TRANS-2,CIS-6-NONADIENAL MIXTURE OF ISOMERS, 96%, FCC, FG	W337706	A60309	HC-23SIO638
1082. TRANS-2-DECENAL	W236608	C29151	HC-23SIXB32
1083. TRANS-2-DODECENAL	W240206	B92006	HC-23SIO302
1084. TRANS-2-HEPTENAL 95%, FG	W316504	A35650	HC-23SIST89
1085. TRANS-2-HEXEN-1-AL 95%, FCC, FG	W256005	A28761	HC-23SI2E39
1086. TRANS-2-HEXEN-1-AL NATURAL, 95%, FG	W256110	B26841	HC-23SICR40
1087. TRANS-2-HEXEN-1-AL, NATURAL	W256009	C14546	HC-23SIN152
1088. TRANS-2-HEXEN-1-OL 95%, FCC, FG	W256218	A84722	HC-23SIK622

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Muhammad Munir Chaudry, Ph.D. President









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Company Name & Address: Sigma-Aldrich Corporation 6000 N. Teutonia Avenue Milwaukee, Wisconsin 53209 USA

Plant Name & Address: Aldrich Chemical Company, LLC 5485 County Road V Sheboygan Falls, Wisconsin 53085 USA

Product Name	Product Code	Halal-ID	Product Certificate #
1089. TRANS-2-HEXEN-1-OL, NATURAL	W256230	C37179	HC-23SIH379
1090. TRANS-2-HEXENOIC ACID 98%, FG	W316903	B39414	HC-23SI9T19
1091. TRANS-2-HEXENYL ACETATE 98%, FCC, FG	W256404	A73491	HC-23SIQO41
1092. TRANS-2-HEXENYL BUTYRATE 96%	W392618	A33093	HC-23SIFY73
1093. TRANS-2-METHYL-2-BUTENAL SUM OF ISOMERS, 99%, FG	W340707	B55895	HC-23SIR433
1094. TRANS-2-METHYL-2-BUTENOIC ACID 98%, FG	W359904	A46208	HC-23SI5Y52
1095. TRANS-2-METHYL-2-PENTENOIC ACID 98%, FCC, FG	W319503	B33642	HC-23SIHF82
1096. TRANS-2-NONEN-1-OL 96%, FCC	W337900	A36868	HC-23SITE97
1097. TRANS-2-NONENAL 95%, FG	W321303	A92541	HC-23SI7F71
1098. TRANS-2-OCTENAL 95%, STABILIZED, FG	W321508	B82989	HC-23SI5226
1099. TRANS-2-PENTENAL 95%, FG	W321818	B52132	HC-23SIQA12
1100. TRANS-2-TRIDECENAL 95%, FCC, FG	W308218	B12729	HC-23SILP34

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1101. TRANS-2-UNDECENAL 95%, FG	W342300	B83891	HC-23SI5T33
1102. Trans-3-Hexen-1-ol	W435600	C29019	HC-23SIUR27
1103. TRANS-3-HEXENOIC ACID 98%, FG	W317004	A48487	HC-23SIHG69
1104. TRANS-3-OCTEN-2-ONE 98%	W341606	B14903	HC-23SI5F52
1105. TRANS-ANETHOLE	W208604	C54811	HC-23SIQL85
1106. TRANS-CINNAMALDEHYDE 98%, FCC, FG	W228605	B63289	HC-23SI3881
1107. TRANS-CINNAMIC ACID 99%, FG	W228818	B65241	HC-23SIFB01
1108. TRANS-CINNAMIC ACID NATURAL, 99%, FCC, FG	W228826	B83720	HC-23SIFD30
1109. TRANS-CINNAMYL BUTYRATE 96%, FCC	W229601	B 69260	HC-23SIBE26
1110. TRANS-CINNAMYL PROPIONATE	W230103	C56639	HC-23SIJ491
1111. Triacetin	W200712	A70433	HC-23SII321
1112. TRIACETIN 99%, FCC, FG	W200700	B13270	HC-23SI6U40

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Product Name	Product Code	Halal-ID	Product Certificate #
1113. TRIBUTYRIN 97%, FG	W222305	B70732	HC-23SI2937
1114. Tridecanal	W433500	C41925	HC-23SISQ57
1115. TRIETHYL CITRATE 99%, FCC	W308307	A65862	HC-23SIF988
1116. TRIETHYL CITRATE, NATURAL, 99%	W308302	A37127	HC-23SIEP99
1117. TRIMETHYLAMINE SOLUTION 25 WT. % IN H2O, FG	W324125	C87828	HC-23SI6X27
1118. TRIPROPIONIN 97.1%, FCC, FG	W328618	A41552	HC-23SI5O29
1119. TRITHIOACETONE 99%, FG	W347507	A31678	HC-23SIEM62
1120. UNDECANAL FCC, 96%	W309206	A16787	HC-23SI9J58
1121. UNDECYL ALCOHOL 97%, FG	W309702	R A70726	HC-23SIU324
1122. UNDECYLENIC ACID 95%, FG	W324701	B35186	HC-23SIGD92
1123. UNDECYLENIC ACID, 95%, FG	W324721	A12864	HC-23SI5D31
1124. UNDECYLENIC ACID, NATURAL	W324720	C20193	HC-23SITW28

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Product Name	Product Code	Halal-ID	Product Certificate #
1125. VALENCENE NATURAL, 65%	W344303	B19306	HC-23SIWD82
1126. VALERALDEHYDE 97%, FG	W309818	A91351	HC-23SI5I60
1127. VALERIC ACID 99%, FCC	W310107	B82881	HC-23SIGQ24
1128. VALERIC ACID NATURAL	W310162	D12700	HC-23SI3627
1129. VANILLIC ACID 97%, FG	W398802	A36895	HC-23SIEW98
1130. VANILLIN 97%, FCC, FG	W310700	A90960	HC-23SI6O58
1131. VANILLIN ACETATE 98%, FG	W310808	A52089	HC-23SIJX88
1132. VANILLIN ISOBUTYRATE 98%, FG	W375403	B30059	HC-23SIFT61
1133. VANILLIN NATURAL, 97%, FCC, FG	W310727	B80637	HC-23SIEN05
1134. VANILLYL BUTYL ETHER	W379620	C39752	HC-23SIGT88
1135. VANILLYL BUTYL ETHER, NATURAL	W379601	C36291	HC-23SIB961
1136. VANILLYL ETHYL ETHER NATURAL (US)	W381512	D23340	HC-23SI6Z39

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This certificate is valid until July 31, 2024 and subject to renewal at that time.



Page 98 of 99



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Product Name	Product Code	Halal-ID	Product Certificate #
1137. VANILLYLACETONE 96%, FG	W312401	A39925	HC-23SICX14
1138. VANILLYLACETONE NATURAL (US)	W312420	D12701	HC-23SIEC09
1139. VERATRALDEHYDE 98%, FG	W310905	B77979	HC-23SIY790
1140. YLANG-YLANG OIL EXTRA, FG	W311936	A67595	HC-23SIFH97
1141. YLANG-YLANG OIL, EXTRA, CERTIFIED ORGANIC (NOP)	W311942	B27002	HC-23SIEC42

