

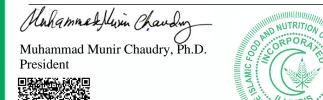
Date: June 20, 2022

Document #: 4739.15720.II220009

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-22SI9L22
2. (-)-BETA-PINENE 97%, FCC, FG	W290300	A71020	HC-22SI2V46
3. (-)-BORNYL ACETATE 95%	W408001	A73150	HC-22SI3M57
4. (-)-b-PINENE NATURAL	W290315	D12698	HC-22SICI48
5. (-)-CARVYL ACETATE MIXTURE OF CIS AND TRANS, 98%, FCC, FG	W225002	B41519	HC-22SICR49
6. (-)-ISOPULEGOL, 98%	W296236	A94478	HC-22SI6102
7. (+)-GAMMA-DECALACTONE NATURAL, 97%, FG	W236012	B12978	HC-22SIZL58
8. (+/-)-2-METHYLBUTYRIC ACID NATURAL, 98%, FG	W269514	A75140	HC-22SIYF74
9. (+/-)-4-METHYLOCTANOIC ACID 98%, FG	W357502	B64707	HC-22SIBR16
10. (+/-)-CITRONELLAL	W230707	C42588	HC-22SIDF25
11. (+/-)-TETRAHYDROFURFURYL PROPIONATE 96%	W305805	A50087	HC-22SISC02







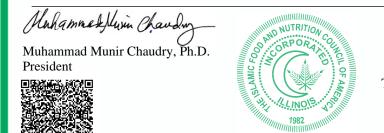
Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
12. (±)-CITRONELLAL, NATURAL	W230715	C49385	HC-22SI8U33
13. (1R)-(-)-MYRTENAL 97%	W339504	A33489	HC-22SIZA95
14. (1R)-(+)-ALPHA-PINENE 97%	W290238	B15454	HC-22SIZ477
15. (1S)-(-)-VERBENONE 93%	W506907	A28257	HC-22SI3Z56
16. (METHYLTHIO)METHYLPYRAZINE MIXTURE OF ISOMERS, 98%	W320803	B12828	HC-22SIZZ56
17. (R)-(+)-LIMONENE	W263303	C56642	HC-22SIQ620
18. (S)-(-)-BETA-CITRONELLOL	W230920	C29138	HC-22SI9L83
19. (S)-(-)-PERILLALDEHYDE 92%	W355704	A93532	HC-22SIVP96
20. (S)-(-)-PERILLYL ALCOHOL 95%	W266418	A88083	HC-22SIZF61
21. 1-(2-THIENYL)-1-PROPANONE, 97%, FG	W559001	B20753	HC-22SI8U15
22. 1,2-DIMETHOXYBENZENE	W379905	C29771	HC-22SIYE72







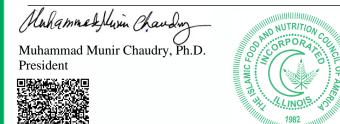
Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
23. 1,3,5-UNDECATRIENE, MIXTURE OF 1,3(E),5(Z) AND 1,3(E),5(E) ISOMERS 70%	W379506	A86821	HC-22SIU756
24. 1,3-DIMETHOXYBENZENE 98%, FG	W238503	B32256	HC-22SIFD89
25. 1,3-DIPHENYL-2-PROPANONE 98%, FG	W239704	A90490	HC-22SI7475
26. 1,3-PROPANEDITHIOL 96%	W358800	A21811	HC-22SI9417
27. 1,4-BUTANEDITHIOL	W520802	C37191	HC-22SIWQ68
28. 1,4-CINEOLE 85%	W365807	A55496	HC-22SIY732
29. 1,4-CINEOLE, =95%, FG	W365820	A53755	HC-22SIDV19
30. 1,4-DIMETHOXYBENZENE	W238600	C39740	HC-22SI6526
31. 1,6-HEXANEDITHIOL 97%, FG	W349518	A58733	HC-22SIX352
32. 10-Undecen-1-ol	W562125	C29024	HC-22SI7P76
33. 10-UNDECENAL 95%, FG, STABILIZED	W309508	A26084	HC-22SI6X35







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
34. 1-DECANOL 98%, FCC, FG	W236500	A75618	HC-22SIY875
35. 1-FURFURYLPYRROLE	W328400	C29581	HC-22SIV944
36. 1-FURFURYLPYRROLE 98%, FG	W328405	A74325	HC-22SIZK68
37. 1-HEXEN-3-OL 98%, STABILIZED, FG	W360805	B71790	HC-22SIDI70
38. 1-METHYLNAPHTHALENE 95%, FG	W319309	A67243	HC-22SI4X15
39. 1-METHYLPIPERIDINE 98%	W510211	B85066	HC-22SIYQ61
40. 1-OCTANOL 98%, FCC, FG	W280003	B83624	HC-22SI7848
41. 1-OCTEN-3-OL	W280523	C35043	HC-22SIAZ14
42. 1-OCTEN-3-OL 98%, FCC, FG	W280518	R) B86284	HC-22SIPQ71
43. 1-OCTEN-3-ONE 50 WT. % IN 1-OCTEN-3-OL, FG	W351504	B81043	HC-22SI8A31
44. 1-OCTEN-3-YL ACETATE, =97%, FCC, FG	W358207	A47062	HC-22SIFM82
45. 1-OCTEN-3-YL BUTYRATE	W361208	C56644	HC-22SIYJ90

Muhammet Musin Chandy Muhammad Munir Chaudry, Ph.D. President

This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 4 of 99



D220135401ICL1E



Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
6. 1-PENTEN-3-OL 98%, FG	W358401	B45151	HC-22SIAG79
7. 1-PHENYL-1,2-PROPANEDIONE 98%, FG	W322601	A60886	HC-22SIWO67
8. 1-PROPANETHIOL, NATURAL (US), 98.0%, FG	W352117	A55463	HC-22SIET30
9. 1-PROPANOL, NATURAL	W292826	C45649	HC-22SI6G49
0. 2-(1-METHYLPROPYL)THIAZOLE 98%	W337218	B37190	HC-22SIDU23
51. 2-(METHYLTHIO)PYRAZINE, =98%, FG	W323130	B82454	HC-22SI6O39
2. 2,2'-(DITHIODIMETHYLENE)DIFURAN 96%, NATURAL,	FG W314620	C87827	HC-22SI5N74
3. 2,2-(DITHIODIMETHYLENE)DIFURAN 95%, FG	W314609	A59841	HC-22SIVW56
4. 2,2-(THIODIMETHYLENE)DIFURAN 98%, FG	W323802	B86955	HC-22SIQ677
5. 2,3,5,6-TETRAMETHYLPYRAZINE 98%, FG	W323705	B42043	HC-22SIC352
6. 2,3,5,6-TETRAMETHYLPYRAZINE NATURAL, 98%, FG	W323713	B65499	HC-22SIVO24
7. 2,3,5-TRIMETHYLPYRAZINE 99%, FCC, FG	W324418	A40398	HC-22SIX142

Mahammetellusin Chavday

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
58. 2,3,5-TRIMETHYLPYRAZINE NATURAL, 95%, FG	W324426	B40694	HC-22SIC143
59. 2,3-BUTANEDITHIOL 99%, FG	W347701	B45527	HC-22SIAA81
60. 2,3-DIETHYL-5-METHYLPYRAZINE	W333603	C39750	HC-22SIBZ10
61. 2,3-DIETHYLPYRAZINE	W313602	C51538	HC-22SI4473
62. 2,3-DIMETHYL-5-(2-METHYLBUTYL)PYRAZINE	W530532	C42603	HC-22SI6927
63. 2,3-DIMETHYLPYRAZINE 95%, FCC, FG	W327107	B48775	HC-22SI6A02
64. 2,3-HEPTANEDIONE 97%, FG	W254304	B82696	HC-22SI6K43
65. 2,3-HEXANEDIONE 95%, FG	W255807	B75248	HC-22SIAK92
66. 2,3-HEXANEDIONE, NATURAL	W255801	C41911	HC-22SI5G73
67. 2,3-PENTANEDIONE 96%, FCC, FG	W284106	A10792	HC-22SI6637
68. 2,3-PENTANEDIONE NATURAL, 96%, FG	W284114	B27079	HC-22SI5564
69. 2,4,5-TRIMETHYLTHIAZOLE 98%, FG	W332518	B73600	HC-22SIB180

Muhammet Musin Chandy Muhammad Munir Chaudry, Ph.D. President

NUTRITION SA ORPORTO SOUNDESS SOUNDESS





Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
70. 2,4-DIHYDROXYBENZOIC ACID 97%	W379808	B18532	HC-22SIYN93
71. 2,4-DIMETHYL-5-ACETYLTHIAZOLE 97%	W326704	B37306	HC-22SID424
72. 2,4-DODECADIENAL NATURAL (US)	W367000	D23339	HC-22SI9L96
73. 2,4-XYLENOL	W506206	C56647	HC-22SI8R92
74. 2,5-DIHYDROXY-1,4-DITHIANE, MIXTURE OF ISOMERS	W382604	C49392	HC-22SIF938
75. 2,5-DIMETHYL-2,5-DIHYDROXY-1,4-DITHIANE	W345001	C49391	HC-22SIIF53
76. 2,5-DIMETHYL-3-OXO-(2H)-FUR-4-YL BUTYRATE NATURAL	W397025	D23342	HC-22SI8543
77. 2,5-DIMETHYL-4-METHOXY-3(2H)-FURANONE 97%, FG	W366404	A19123	HC-22SIIE96
78. 2,5-DIMETHYL-4-METHOXY-3(2H)-FURANONE, NATURAL,	W366412	B25950	HC-22SI6654
79. 2,5-DIMETHYLPYRAZINE 98%, FCC, FG	W327204	A93107	HC-22SIWX94
80. 2,5-DIMETHYLTHIOPHENE 98%	W515507	A55841	HC-22SIZU35
81. 2,5-XYLENOL 99%, FG	W359505	B45216	HC-22SIAY80

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President



This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 7 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
82. 2,6 DIMETHYLPYRAZIN, NATURAL	W327312	C10273	HC-22SI7804
83. 2,6,6-TRIMETHYL-1-CYCLOHEXENE-1-ACETALDEHYDE, 75%	W347418	B63306	HC-22SIOE04
84. 2,6-DIMETHOXYPHENOL 98%, FG	W313718	A36534	HC-22SIXU15
85. 2,6-DIMETHOXYPHENOL, NATURAL, =96%, FG	W313726	A69900	HC-22SI2L40
86. 2,6-DIMETHYL-5-HEPTENAL FCC	W238902	B14462	HC-22SIYS67
87. 2,6-DIMETHYL-5-HEPTENAL, NATURAL MIXTURE OF ISOMERS	W238920	C20181	HC-22SIYS91
88. 2,6-DIMETHYL-5-HEPTENOL NATURAL	W478955	D23356	HC-22SICH50
89. 2,6-DIMETHYLBENZENETHIOL 95%, FG	W366609	B58842	HC-22SICY72
90. 2,6-DIMETHYLPYRAZINE 98%, FG	W327301	A48748	HC-22SITP93
91. 2,6-DIMETHYLPYRIDINE 99%	W354007	B84767	HC-22SIQI59
92. 2,6-XYLENOL	W324906	C53467	HC-22SIVH67

Mahammak Musin Chavday

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
93. 2-AMINOACETOPHENONE 98%	W390607	B62967	HC-22SICD01
94. 2-ACETYL-1-METHYLPYRROLE 98%	W318418	B70685	HC-22SIEU57
95. 2-ACETYL-2-THIAZOLINE	W381718	C37189	HC-22SIZW85
96. 2-ACETYL-3,5(6)-DIMETHYLPYRAZINE, MIXTURE OF ISOMERS 98%	W332704	A34512	HC-22SI2X02
97. 2-ACETYL-3,5(6)-DIMETHYLPYRAZINE, MIXTURE OF ISOMERS, =98%, FG	W332700	B73495	HC-22SIBE77
98. 2-ACETYL-3-ETHYLPYRAZINE 98%, FG	W325007	A41326	HC-22SIYQ45
99. 2-ACETYL-3-METHYLPYRAZINE 98%, FG	W396400	A76622	HC-22SI7J86
100. 2-ACETYL-5-METHYLFURAN 98%	W360902	B34338	HC-22SIRO09
101. 2-ACETYLPYRAZINE 99%, FCC, FG	W312606	A50484	HC-22SISA04
102. 2-ACETYLPYRAZINE, =98%, NATURAL, FG	W312612	B38718	HC-22SIE732
103. 2-ACETYLPYRIDINE 99%, FG	W325104	A11107	HC-22SI6F39

Mahammak Musin Chavday

Muhammad Munir Chaudry, Ph.D. President



This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 9 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

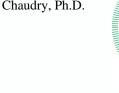
Company Name & Address: Sigma-Aldrich Corporation 6000 N. Teutonia Avenue Milwaukee, Wisconsin 53209 USA

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

Product Name	Product Code	Halal-ID	Product Certificate #
104. 2-ACETYLTHIAZOLE 99%, FG	W332801	B77857	HC-22SI9K11
105. 2-ACETYLTHIOPHENE 98%, FG	W503509	B18491	HC-22SIY592
106. 2-BUTANONE 99.5%, FCC, FG	W217018	A13055	HC-22SI7B54
107. 2-BUTANONE, NATURAL, =99%, FG	W217012	A27689	HC-22SI7950
108. 2-BUTYL-2-OCTENAL NATURAL (US)	W461655	D23350	HC-22SIH456
109. 2-ETHOXYTHIAZOLE 99%	W334006	A49784	HC-22SIT798
110. 2-ETHYL-1-HEXANOL 99%, FG	W315109	B19988	HC-22SIWH08
111. 2-ETHYL-2-HEXENAL MIXTURE OF ISOMERS, NATURAL (US)	W461216	D23349	HC-22SI9K71
112. 2-ETHYL-3(5 OR 6)-DIMETHYLPYRAZINE, MIXTURE OF ISOMERS 95%, FG	W314900	B86821	HC-22SIPD75
113. 2-ETHYL-3-METHOXYPYRAZINE	W514403	C47745	HC-22SI8842
114. 2-ETHYL-3-METHYLPYRAZINE 98%, FCC, FG	W315508	A96299	HC-22SIWG16

Mahammak Musin Chavday

Muhammad Munir Chaudry, Ph.D. President



This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 10 of 99



Date: June 20, 2022 Document #: 4739.15720.II220009

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 #
115. 2-ETHYL-4-METHYL-1,3-DITHIOLANE	W487012	D23358	HC-22SIRT67
116. 2-ETHYL-4-METHYLTHIAZOLE 98%, FG	W368008	A49565	HC-22SIT197
117. 2-ETHYLBENZENETHIOL	W334502	C36288	HC-22SI7277
118. 2-ETHYLBUTYRIC ACID	W242918	C39741	HC-22SI7699
119. 2-ETHYLFENCHOL 97%, FCC	W349100	B46801	HC-22SI9Z92
120. 2-ETHYLFURAN 99%	W367303	A12155	HC-22SI5W44
121. 2-ETHYLHEXYL ACETATE 99%	W514705	B17664	HC-22SIX288
122. 2-ETHYLHEXYL SALICYLATE 99%	W514500	B56275	HC-22SIGO57
123. 2-ETHYLPYRAZINE 98%, FG	W328103	A88364	HC-22SIY563
124. 2-ETHYLPYRIDINE	W800025	C10279	HC-22SIVA66
125. 2-FURANMETHANETHIOL FORMATE 97%, FG	W315818	B51565	HC-22SID525
126. 2-FURYL METHYL KETONE 99%, FG	W316318	B59323	HC-22SICA73

Mahammetellusin Chavday Muhammad Munir Chaudry, Ph.D. President

NUTRITION COLOCIA COLICIA SOCORPORATION COLOCIA COLICIA SOCORPORATION SOCORPORATIONA SOCORPORATIO





Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
127. 2-FURYL METHYL KETONE, NATURAL (US)	W316315	C29501	HC-22SIZG88
128. 2-HEPTANOL =97%	W328804	C29585	HC-22SICS85
129. 2-HEPTANOL 97%	W328800	B23068	HC-22SI7C31
130. 2-HEPTANONE 98%, FCC, FG	W254401	A70465	HC-22SI2U43
131. 2-HEPTANONE, NATURAL	W254430	C20187	HC-22SI5I25
132. 2-HEXYL-2-DECENAL MIXTURE OF CIS AND TRANS	W478601	D23354	HC-22SIZH97
133. 2-HEXYL-2-DECENAL NATURAL (US), MIXTURE OF CIS AND TRANS, ST	W478620	D23355	HC-22SID182
134. 2-ISOBUTYL-3-METHOXYPYRAZINE 99%, FG	W313203	A45006	HC-22SIVW65
135. 2-ISOBUTYL-3-METHYLPYRAZINE 99%, FG	W313300	A71869	HC-22SI4253
136. 2-ISOBUTYLTHIAZOLE 99%, FG	W313408	B53627	HC-22SIF839
137. 2-ISOPROPYL-4-METHYLTHIAZOLE 98%, FG	W355518	B72748	HC-22SIDI72

Muhammet Huin Chardy Muhammad Munir Chaudry, Ph.D.

President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
138. 2-ISOPROPYL-5-METHYL-2-HEXENAL 95%, FG	W340618	B68527	HC-22SI5141
139. 2-Isopropyl-N,2,3-trimethylbutyramide	W380423	C29811	HC-22SIFK40
140. 2-ISOPROPYLPHENOL	W346101	C44273	HC-22SIFT83
141. 2-MERCAPTO-3-BUTANOL MIXTURE OF ISOMERS, 97%, FG	W350206	B24057	HC-22SI7R41
142. 2-MERCAPTOPROPIONIC ACID 95%	W318000	A34205	HC-22SIZZ98
143. 2-METHOXY-3-(1-METHYLPROPYL)PYRAZINE 98%, FG	W343307	B66331	HC-22SIAT27
144. 2-METHOXY-3(5 OR 6)-ISOPROPYLPYRAZINE	W335809	C29623	HC-22SIBW64
145. 2-METHOXY-3(5 OR 6)-ISOPROPYLPYRAZINE 98%	W335800	A12615	HC-22SI8B49
146. 2-METHOXY-3-METHYLPYRAZINE 99%, FCC, FG	W318302	B20615	HC-22SIA513
147. 2-METHOXY-4-METHYLPHENOL 98%, FG	W267104	B41333	HC-22SID346
148. 2-Methoxy-4-Methylphenol, Natural	W267112	C41912	HC-22SICA44
149. 2-METHOXY-4-VINYLPHENOL 98%	W267511	B83657	HC-22SIXU50

Mahammetellusin Chavday

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
150. 2-METHOXYCINNAMALDEHYDE, NATURAL	W318101	C36287	HC-22SIDG29
151. 2-METHOXYPYRAZINE 99%, FCC, FG	W330205	A49297	HC-22SITR96
152. 2-METHOXYTHIOPHENOL 97%, FG	W415901	A23042	HC-22SI9V23
153. 2-METHYL-1-BUTANETHIOL	W330302	C44270	HC-22SIUY46
154. 2-METHYL-1-BUTANOL 99%, FG	W399809	A95844	HC-22SI5G14
155. 2-METHYL-1-BUTANOL NATURAL, 99%, FG	W399817	A61564	HC-22SIUH70
156. 2-METHYL-1-PROPANETHIOL 95%, FG	W387401	B76710	HC-22SIB604
157. 2-METHYL-2-PENTENAL 97%, FG	W319406	A95368	HC-22SI4810
158. 2-METHYL-3(5 OR 6)-ETHOXYPYRAZINE MIXTURE OF ISOMERS, 99%	W356905	B87037	HC-22SIQJ79
159. 2-METHYL-3-(P-ISOPROPYLPHENYL)PROPIONALDEHYDE 95%, FCC, FG	E W274305	A77909	HC-22SI6I01
160. 2-METHYL-3-FURANTHIOL 95%, FG	W318809	B38394	HC-22SIEL30

Mahammak Musin Chavday

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
161. 2-METHYL-3-FURANTHIOL ACETATE, 98%, FG	W397301	B23066	HC-22SI7X30
162. 2-METHYL-3-METHYLTHIOFURAN 98%, FG	W394904	A63206	HC-22SISY88
163. 2-METHYL-3-TETRAHYDROFURANTHIOL MIXTURE OF CIS AND TRANS, 97%, FG	W378704	A67853	HC-22SIQK22
164. 2-METHYL-4-PENTENOIC ACID 98%, FG	W351105	B32706	HC-22SIHF94
165. 2-METHYL-4-PROPYL-1,3-OXATHIANE, MIXTURE OF CIS AND TRANS 98%, FG	W357804	B57071	HC-22SICS63
166. 2-METHYLANISOLE	W268003	C39746	HC-22SIA809
167. 2-METHYLBUTYL 2-METHYLBUTYRATE 95%, FG	W335908	B32536	HC-22SIH393
168. 2-METHYLBUTYL ACETATE 99%, FG	W364401	B33601	HC-22SI2N03
169. 2-METHYLBUTYL ACETATE NATURAL, FG	W364428	B56841	HC-22SIC962
170. 2-METHYLBUTYL ISOVALERATE 98%, FCC, FG	W350605	A68101	HC-22SIQW24
171. 2-METHYLBUTYL ISOVALERATE NATURAL, 98%, FCC, FG	W350613	B25411	HC-22SI6L52

Muhammet Huin Chardy

Muhammad Munir Chaudry, Ph.D. President



This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 15 of 99



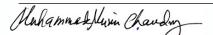
Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
172. 2-METHYLBUTYRALDEHYDE 95%, FG	W269107	A57208	HC-22SIWE42
173. 2-METHYLBUTYRIC ACID 98%, FG	W269506	A64485	HC-22SI9694
174. 2-METHYLFURAN 98%, STABILIZED WITH BHT	W417901	A60349	HC-22SICP61
175. 2-METHYLFURAN, =99%, FG	W417920	A96434	HC-22SITU20
176. 2-METHYLHEPTANOIC ACID 97%	W270601	A14556	HC-22SICU64
177. 2-METHYLHEXANOIC ACID 99%, FG	W319104	B43142	HC-22SIBB62
178. 2-METHYLPENTANOIC ACID 98%, FCC, FG	W275409	A21136	HC-22SIA112
179. 2-METHYLPYRAZINE 99%, FCC, FG	W330906	A22559	HC-22SI9J21
180. 2-METHYLTETRAHYDROFURAN-3-ONE 97%, FG	W337307	R) A81039	HC-22SI6R19
181. 2-METHYLTETRAHYDROFURAN-3-ONE, NATURAL, =97% FG	, W337330	A34674	HC-22SI2N04
182. 2-NONANONE NATURAL, 97%, FCC, FG	W278513	B36831	HC-22SIF120



Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
183. 2-NONANONE, FG	W278505	C87826	HC-22SIRO12
184. 2-OCTANOL 97%	W280100	A64637	HC-22SI8G98
185. 2-OCTANONE	W280208	C39749	HC-22SI9116
186. 2-OCTANONE, NATURAL	W280220	C20189	HC-22SI3877
187. 2-OCTYL-2-DODECENAL MIXTURE OF CIS AND TRANS	W478515	D23353	HC-22SI7150
188. 2-PENTADECANONE 98%, FG	W372404	B70945	HC-22SIFQ60
189. 2-PENTANOL 98%, FG	W331600	B11229	HC-22SI2M49
190. 2-PENTANONE	W284203	C42593	HC-22SI8F36
191. 2-PENTYLFURAN 98%, FG	W331708	B67187	HC-22SI8Y34
192. 2-PHENYL-1-PROPANOL	W273201	C39747	HC-22SINQ98
193. 2-PHENYL-2-BUTENAL, MIXTURE OF CIS AND TRANS 97%, FG	W322407	A97023	HC-22SITE25



Muhammad Munir Chaudry, Ph.D. President







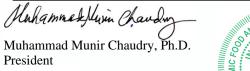
Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
194. 2-PHENYL-2-BUTENAL, MIXTURE OF CIS AND TRANS, 97% FG	, W322400	B61433	HC-22SIEJ88
195. 2-PHENYLETHYL ISOTHIOCYANATE 99%, FG	W401404	A24941	HC-22SI6P30
196. 2-PHENYLPROPIONALDEHYDE 95%, FCC, FG	W288608	A57918	HC-22SIXK46
197. 2-PROPANETHIOL NATURAL (US)	W389755	D23341	HC-22SICT75
198. 2-PROPYLPYRAZINE	W396103	C29792	HC-22SI9W71
199. 2-THIENYL DISULFIDE 95%	W332305	A34305	HC-22SI2M99
200. 2-THIOPHENETHIOL 90%	W306207	A42146	HC-22SIIJ54
201. 2-TRIDECANONE 96%, FG	W338818	B20816	HC-22SI8Y16
202. 2-TRIDECANONE NATURAL	W338820	D12706	HC-22SIRJ11
203. 2-UNDECANOL	W324604	C49389	HC-22SIBU63
204. 2-UNDECANONE 98%, FCC, FG	W309303	B64325	HC-22SIB413



NO NUTRITION COLUMNIA





Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
205. 2-UNDECANONE NATURAL	W309311	D12699	HC-22SIU951
206. 2-Undecen-1-Ol	W406801	A99884	HC-22SI2S41
207. 3-(METHYLTHIO)-1-HEXANOL	W343803	C44272	HC-22SIHP98
208. 3-(METHYLTHIO)-1-HEXANOL NATURAL	W343847	D23337	HC-22SIU681
209. 3-(METHYLTHIO)-1-PROPANOL 98%, FG	W341509	A16595	HC-22SIJM77
210. 3-(METHYLTHIO)BUTANAL 96%, FG	W337404	B35350	HC-22SIF215
211. 3-(METHYLTHIO)HEXYL ACETATE 97%, FG	W378917	B23379	HC-22SI7U34
212. 3-(METHYLTHIO)PROPYL ISOTHIOCYANATE 98%, FG	W331201	A32483	HC-22SI1Z90
213. 3,4-DIMETHYL-1,2-CYCLOPENTADIONE 97%	W326801	B 59475	HC-22SIDD76
214. 3,4-HEXANEDIONE 90%	W316814	A55482	HC-22SIE131
215. 3,4-XYLENOL	W359602	C51542	HC-22SICX05
216. 3,5,5-TRIMETHYLHEXANAL 95%, FG	W352403	A12153	HC-22SI5N43

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
217. 3,5-DIMETHYL-1,2-CYCLOPENTADIONE 97%	W326909	B87368	HC-22SIGH83
218. 3,7-DIMETHYL-6-OCTENOIC ACID, NATURAL	W314220	C56643	HC-22SI1808
219. 3-ACETYL-2,5-DIMETHYLFURAN 99%, FCC, FG	W339105	A19960	HC-22SIIM04
220. 3-ACETYL-2,5-DIMETHYLTHIOPHENE, 99%	W352705	A91560	HC-22SIZ484
221. 3-ACETYLPYRIDINE 98%, FG	W342408	A27288	HC-22SI7H44
222. 3-BUTYLIDENEPHTHALIDE MIXTURE OF CIS AND TRANS ISOMERS, 96%, FG	W333301	B67772	HC-22SI8L38
223. 3-DECANONE 97%	W396605	A12275	HC-22SI8N46
224. 3-DECEN-2-ONE PREDOMINANTLY TRANS, 97%	W353205	A65269	HC-22SI5404
225. 3-ETHYL-2-HYDROXY-2-CYCLOPENTEN-1-ONE SOLUTION 50 WT. % IN PROPYLENE GLYCOL		B60245	HC-22SID779
226. 3-ETHYL-2-HYDROXY-2-CYCLOPENTEN-1-ONE, 97%	W315206	B63717	HC-22SIP409
227. 3-ETHYLPYRIDINE 98%, FG	W339407	B78025	HC-22SI9W13

Mahammak Musin Chavday

Muhammad Munir Chaudry, Ph.D. President



This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 20 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
228. 3-HEPTANONE 96%	W254509	A58782	HC-22SIXA53
229. 3-HEPYL ACETATE, NATURAL	W398000	B92007	HC-22SI3V64
230. 3-MERCAPTO-2-BUTANONE 80%	W329800	A86367	HC-22SIUU52
231. 3-MERCAPTOHEXYL ACETATE, =98%, FG	W385101	A55178	HC-22SIFN27
232. 3-METHYL-1,2-CYCLOHEXANEDIONE 98%, FG	W330507	B67604	HC-22SI8537
233. 3-METHYL-1-PENTANOL 99%, FG	W376205	B16258	HC-22SIYN81
234. 3-METHYL-2-BUTANETHIOL 98%	W330418	A63580	HC-22SISI90
235. 3-Methyl-2-Butenal	W364620	B43996	HC-22SI9Z69
236. 3-METHYL-2-CYCLOHEXENONE 98%	W336009	R) A56162	HC-22SIWV39
237. 3-METHYLBUTYL 2-METHYLBUTANOATE 98%	W350508	B83812	HC-228I7552
238. 3-METHYLBUTYL 2-METHYLBUTANOATE NATURAL, METHYLBUTYL 2-METHYLBUTANOATE BASIS	70% 3- W350516	A21185	HC-22SIAS13



Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022 Document #: 4739.15720.II220009

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 #
239. 3-Methylpentanoic acid =98%, FG	W343706	C14972	HC-22SIVB28
240. 3-METHYLPENTANOIC ACID 98%, FG	W343706	A86485	HC-22SIU353
241. 3-NONANONE, 96%, FG	W344001	B43695	HC-22SIBA67
242. 3-OCTANOL 97%, FCC, FG	W358118	B64741	HC-22SIWY18
243. 3-OCTANOL NATURAL, 97%, FCC, FG	W358126	A82290	HC-22SI5Z24
244. 3-OCTANONE 98%, FG	W280305	B10421	HC-22SI3544
245. 3-OCTYL ACETATE 98%, FCC, FG	W358304	B53781	HC-22SIHY41
246. 3-OCTYL ACETATE, NATURAL (US)	W358315	C45653	HC-22SI2E10
247. 3-PENTEN-2-ONE	W341720	C29651	HC-22SIVO84
248. 3-PENTEN-2-ONE 70%	W341703	A38242	HC-22SIWI29
249. 3-PHENYLPROPIONIC ACID 99%, FG	W288918	B25199	HC-22SI5K48
250. 3-PHENYLPROPYL ISOBUTYRATE 98%, FG	W289302	B64394	HC-22SIX515

Mahammetellusin Chavday

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
251. 3-PROPYLIDENEPHTHALIDE MIXTURE OF CIS AND TRANS ISOMERS, 96%, FG	W295205	A48552	HC-22SIRP91
252. 4-(4-HYDROXYPHENYL)-2-BUTANONE	W258806	C45647	HC-22SIBR78
253. 4-(4-HYDROXYPHENYL)-2-BUTANONE NATURAL, 98%, FCC, FG	W258814	A10777	HC-22SI6736
254. 4-(4-METHOXYPHENYL)-2-BUTANONE 98%, FCC, FG	W267201	A61469	HC-22SIW969
255. 4-(P-ACETOXYPHENYL)-2-BUTANONE 96%	W365203	A38054	HC-22SIWZ28
256. 4,5,6,7-TETRAHYDRO-3,6-DIMETHYLBENZOFURAN 95%	W323500	A57066	HC-22SIWH41
257. 4,5-DIHYDRO-3(2H)-THIOPHENONE 98%, FG	W326607	A75633	HC-22SIYF76
258. 4,5-DIMETHYL-3-HYDROXY-2,5-DIHYDROFURAN-2-ONE 97%, FG	W363405	A91784	HC-22SIZ987
259. 4,5-DIMETHYL-3-HYDROXY-2,5-DIHYDROFURAN-2-ONE SOLUTION 10 WT. % IN PROPYLENE GLYCOL	W363413	B60888	HC-22SIDC83



Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
260. 4,5-DIMETHYL-3-HYDROXY-2,5-DIHYDROFURAN-2-ONE SOLUTION 3 WT. % IN PROPYLENE GLYCOL	W363421	B73980	HC-22SICV84
261. 4-METHYLACETOPHENONE 95%, FCC, FG	W267708	B41438	HC-22SID647
262. 4-ACETOXY-2,5-DIMETHYL-3(2H)FURANONE 95%, FG	W379700	A86680	HC-22SIUU55
263. 4-ACETOXY-2,5-DIMETHYL-3(2H)FURANONE, NATURAL (US)	W379715	C53469	HC-22SIZC57
264. 4-ALLYL-2,6-DIMETHOXYPHENOL	W365505	C29017	HC-22SIAI09
265. 4-ALLYLANISOLE	W241105	C56640	HC-22SI5U11
266. 4-CARVOMENTHENOL	W224820	C35047	HC-22SI8N99
267. 4-CARVOMENTHENOL 92%, FCC	W224847	A37234	HC-22SIXS22
268. 4-ETHYLGUAIACOL 98%, FCC, FG	W243604	B28989	HC-22SI5T72
269. 4-ETHYLGUAIACOL, NATURAL	W243615	C36281	HC-22SIIP20
270. 4-ETHYLOCTANOIC ACID 98%, FG	W380008	A41478	HC-22SIV649

Mahammak Musin Chavday

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
271. 4-ETHYLPHENOL 98%, FG	W315605	B60919	HC-22SIET84
272. 4-HEPTANONE	W254606	C39745	HC-22SI7U37
273. 4-HEXEN-1-OL 96%, FG	W343005	A65247	HC-22SI5Z03
274. 4-HEXEN-3-ONE 92%	W335207	B63508	HC-22SIAC07
275. 4-HYDROXY-2,5-DIMETHYL-3(2H)-FURANONE 98%, FCC, FG	W317403	B21711	HC-22SI9925
276. 4-HYDROXY-2,5-DIMETHYL-3(2H)-FURANONE NATURAL, =98%, FG	W317454	B18667	HC-22SIXB95
277. 4-HYDROXY-2,5-DIMETHYL-3(2H)-FURANONE SOLUTION 10 WT. % IN PROPYLENE GLYCOL	W317411	A66917	HC-22SI5413
278. 4-Hydroxy-4-Methyl-7-cis-Decenoic Acid L-Lactone	W393713	C41924	HC-22SIDA11
279. 4-HYDROXY-5-METHYL-3-FURANONE 97%, FG	W363501	A88716	HC-22SI8C64
280. 4-HYDROXYBENZALDEHYDE 97%, FG	W398403	B77103	HC-22SI9B09
281. 4-HYDROXYBUTANOIC ACID LACTONE	W329118	C37188	HC-22SI7A59

Mahammak Musin Chavday

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
282. 4-METHYL-1-PHENYL-2-PENTANONE 95%, FG	W274003	B60061	HC-22SIDV77
283. 4-METHYL-2-PHENYL-2-PENTENAL, MIXTURE OF CIS AND TRANS 88%, STABILIZED	W320005	B45864	HC-22SIA982
284. 4-METHYL-5-THIAZOLEETHANOL ACETATE 98%, FG	W320501	B80093	HC-22SI7623
285. 4-METHYL-5-THIAZOLEETHANOL FG	W320404	A45808	HC-22SIVG70
286. 4-METHYL-5-VINYLTHIAZOLE 97%, FG	W331309	A77976	HC-22SI6T02
287. 4-METHYLANISOLE 99%, FCC, FG	W268100	A76428	HC-22SI7Y84
288. 4-METHYLNONANOIC ACID 97%	W357405	A22044	HC-22SIAK19
289. 4-METHYLPENTANOIC ACID 98%, FCC, FG	W346306	A46644	HC-22SIH576
290. 4-METHYLPENTYL 4-METHYLVALERATE	W474900	C29023	HC-22SIVJ48
291. 4-METHYLTHIAZOLE 98%, FG	W371602	A89840	HC-22SI9872
292. 4-METHYLTHIO-4-METHYL-2-PENTANONE 98%, FG	W337609	B12522	HC-22SI1654

Muhammet Huin Chardy

Muhammad Munir Chaudry, Ph.D. President









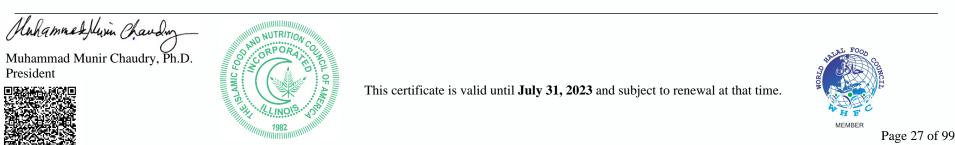
Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
293. 4-OXOISOPHORONE 98%, FG	W342106	A20374	HC-22SIIJ07
294. 4-PENTENOIC ACID 98%, FG	W284300	A84180	HC-22SI4N40
295. 4-PROPYLPHENOL 97%, FG	W364908	A82170	HC-22SI5N23
296. 4-VINYLPHENOL SOLUTION 10 WT. % IN PROPYLENE GLYCOL, FG	W373923	A83184	HC-22SI4B30
297. 5-(HYDROXYMETHYL)FURFURAL 99%, FG	W501808	B55566	HC-22SIVR50
298. 5,6,7,8-TETRAHYDROQUINOXALINE 97%, FG	W332100	B80753	HC-22SI8Z27
299. 5-ETHYL-3-HYDROXY-4-METHYL-2(5H)-FURANONE 97%, FG	W315303	A65181	HC-22SI5S02
300. 5-ETHYL-4-HYDROXY-2-METHYL-3(2H)-FURANONE NATURAL (US)	W362320	D23338	HC-22SI7M73
301. 5-ETHYL-4-HYDROXY-2-METHYL-3(2H)-FURANONE, MIXTURE OF ISOMERS 96%, FG	W362301	A93955	HC-22SIVF98





Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
302. 5H-5-METHYL-6,7-DIHYDROCYCLOPENTA[B]PYRAZINE 97%, FG	W330604	A17336	HC-22SIJE82
303. 5-METHYL-2-HEPTEN-4-ONE, PREDOMINANTLY TRANS 98%, FG	W376108	B49980	HC-22SIVT13
304. 5-Methyl-2-Phenyl-2-Hexenal	W319912	B15662	HC-22SIZR79
305. 5-METHYL-2-PHENYL-2-HEXENAL 96%, FG	W319902	A29924	HC-22SI5C71
306. 5-METHYL-2-THIOPHENECARBOXALDEHYDE FG	W320900	B81687	HC-22SI8M36
307. 5-METHYLFURFURAL 98%, FG	W270202	A76901	HC-22SI8288
308. 5-METHYLQUINOXALINE 99%, FG	W320307	B26238	HC-22SI7O57
309. 6,10-DIMETHYL-5,9-UNDECADIEN-2-ONE 97%	W354201	A94816	HC-22SI5S06
310. 6-AMYL-ALPHA-PYRONE 96%, FG	W369608	B55311	HC-22SIVK49
311. 6-METHOXY-2,6-DIMETHYLHEPTANAL, STABILIZED	W474505	D23352	HC-22SI6B10
312. 6-METHYL-5-HEPTEN-2-OL NATURAL	W488401	D23359	HC-22SI9N70

Mahammak Musin Chavday

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022 Document #: 4739.15720.II220009

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 #
313. 6-METHYL-5-HEPTEN-2-ONE	W270709	C45648	HC-22SI4Q80
314. 6-METHYLCOUMARIN 99%, FCC, FG	W269905	A36047	HC-22SI1R13
315. 6-METHYLQUINOLINE 98%, FG	W274402	A54652	HC-22SIC722
316. 9-DECENOIC ACID 95%, FG	W366005	B10710	HC-22SI2247
317. a-ANGELICA LACTONE NATURAL (US)	W329355	D12704	HC-22SIX585
318. ACETAL 98%, FG	W200204	B70987	HC-22SIF461
319. ACETAL NATURAL, FG, 97%	W200220	B34607	HC-22SIEA13
320. Acetaldehyde	W200303	C41907	HC-22SIWT99
321. ACETALDEHYDE NATURAL, 99%, FG	W200336	R) B18915	HC-22SIXV97
322. ACETANISOLE 98%, FCC, FG	W200506	B49309	HC-22SICJ09
323. ACETIC ACID 99.5%, FCC, FG	W200611	B34313	HC-22SIRR08
324. ACETIC ACID NATURAL, 99.5%, FG	W200603	A29395	HC-22SI2R66

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
325. ACETOIN 96%, FCC, FG	W200808	A10626	HC-22SI6533
326. ACETOIN ACETATE, NATURAL	W352623	C20195	HC-22SI3O55
327. ACETOIN NATURAL, 95%, FG	W200832	A38631	HC-22SIYA31
328. ACETONE	W332607	D12705	HC-22SIZP91
329. ACETOPHENONE 98%, FCC, FG	W200905	B16594	HC-22SIXS84
330. ACETOVANILLONE	W508454	C44278	HC-22SI3Y32
331. Alginic Acid	W800014	B95987	HC-22SIZL58
332. Allyl Butyrate	W202118	C32914	HC-22SIHX70
333. ALLYL CYCLOHEXANEPROPIONATE 98%, FCC, FG	W202606	B 87203	HC-22SI1E81
334. ALLYL DISULFIDE 80%, FG	W202800	A99044	HC-22SI4V35
335. ALLYL HEPTANOATE 97%, FCC, FG	W203106	B65198	HC-22SILP21
336. Allyl Heptanoate Natural	W203111	C32915	HC-22SIF324

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President



This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 30 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
337. ALLYL HEXANOATE 98%, FCC, FG	W203203	A27383	HC-22SI7O45
338. ALLYL HEXANOATE NATURAL, 98%, FCC, FG	W203211	A21869	HC-22SI9B18
339. ALLYL ISOTHIOCYANATE 93%, FCC	W203408	A18451	HC-22SIIY92
340. ALLYL PHENOXYACETATE, 99%	W203807	B71339	HC-22SID968
341. ALLYL SULFIDE 97%, FG	W204218	B67430	HC-22SI8635
342. ALLYL-ALPHA-IONONE, 65%	W203300	B38974	HC-22SIDG36
343. ALMOND OIL, BITTER, NATURAL	W204600	C37172	HC-22SIBC70
344. ALMOND OIL, SWEET, CERTIFIED ORGANIC (NOP)	W530119	B71078	HC-22SID362
345. ALPHA, ALPHA-DIMETHYLPHENETHYL ACETATE 98%, FC	C W239208	A87965	HC-22SIZ260
346. ALPHA,ALPHA-DIMETHYLPHENETHYL BUTYRATE 95%, FCC, FG	W239402	B82829	HC-22SI6Y44
347. ALPHA-AMYLCINNAMALDEHYDE, MIXTURE OF CIS AND TRANS, 97%, FG	W206105	A77069	HC-22SI8K89

Mahammetellusin Chavday

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
348. ALPHA-ANGELICA LACTONE 98%, FG	W329304	A77798	HC-22SI6W98
349. ALPHA-HEXYLCINNAMALDEHYDE	W256900	C56641	HC-22SI5G05
350. ALPHA-IONONE 90%	W259403	A14963	HC-22SIB667
351. ALPHA-IONONE NATURAL, 84%	W259411	B11046	HC-22SI2D48
352. ALPHA-ISOMETHYL IONONE	W271410	C29323	HC-22SIFO22
353. ALPHA-METHYLBENZYL ACETATE 98%, FCC, FG	W268402	A29216	HC-22SI3O63
354. ALPHA-METHYLBENZYL ALCOHOL 99%, FCC	W268518	B26424	HC-22SI7358
355. ALPHA-METHYLCINNAMALDEHYDE	W269700	C51536	HC-22SILJ72
356. ALPHA-PHELLANDRENE	W285609	A96339	HC-22SIWK17
357. ALPHA-PHELLANDRENE, NATURAL	W285611	C37185	HC-22SI6V38
358. ALPHA-TERPINENE 89%, FCC, FG	W355801	B85422	HC-22SIR864
359. ALPHA-TERPINEOL MIXTURE OF ISOMERS, 96%, FC	C, FG W304506	B36081	HC-22SIF718

Mahammetellusin Chavday

Muhammad Munir Chaudry, Ph.D. President



This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 32 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
360. ALPHA-TERPINEOL NATURAL, 96%, FCC, FG	W304522	A97018	HC-22SITF24
361. ALPHA-TERPINYL ACETATE, 95%, FG	W304799	B30622	HC-22SIE984
362. AMMONIUM SULFIDE SOLUTION 20 WT. % IN H2O	W205303	A31891	HC-22SI1N85
363. AMYL ACETATE	W504009	C44277	HC-22SIIX05
364. AMYL BUTYRATE MIXTURE OF ISOMERS, 98%, FG	W205915	B21391	HC-22SI8H22
365. AMYL FORMATE 95%, FG	W206806	A31867	HC-22SI1B84
366. AMYL HEXANOATE 98%, FG	W207403	A58167	HC-22SIXP47
367. AMYRIS OIL	W517100	B49175	HC-22SIVE08
368. ANETHOL, NATURAL	W208620	C10278	HC-22SIG492
369. ANISOLE	W209708	C29070	HC-22SI8891
370. ANISYL ACETATE 97%, FCC, FG	W209805	B44025	HC-22SI9970
371. ANISYL ACETATE, NATURAL	W209890	C20177	HC-22SIX818

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President



This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 33 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
372. ANISYL ALCOHOL 98%, FCC, FG	W209902	A17532	HC-22SIKM86
373. ANISYL ALCOHOL NATURAL, 98%, FG	W209910	A54743	HC-22SICG23
374. ANISYL FORMATE 90%, FCC, FG	W210102	A75097	HC-22SIYD73
375. ANISYL PHENYLACETATE	W374008	C54819	HC-22SI6Z35
376. ANISYL PROPIONATE 98%, FG	W210218	A52782	HC-22SIDN14
377. AVOCADO OIL, CERTIFIED ORGANIC (NOP)	W530127	A30477	HC-22SI5O75
378. BASIL OIL, METHYL CHAVICOL TYPE, CERTIFIED ((NOP)	ORGANIC W530131	B62257	HC-22SI9M94
379. B-DAMASCONE	W324300	C35054	HC-22SIDU70
380. BENZALDEHYDE 98%, FG, FCC	W212709	B21085	HC-22SI8J18
381. BENZALDEHYDE DIMETHYL ACETAL	W212806	C54812	HC-22SI4O17
382. BENZALDEHYDE NATURAL, 98%, FCC, FG	W212717	B84402	HC-22SI5I57

Muhammet Murin Chardy

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
383. BENZOIC ACID 99.5%, FCC, FG	W213101	B19125	HC-22SIWH98
384. BENZOIC ACID, NATURAL	W213128	C35035	HC-22SICX61
385. BENZYL ACETATE 99%, FCC, FG	W213500	B79837	HC-22SI9R21
386. BENZYL ACETATE NATURAL, 99%, FCC, FG	W213519	B40499	HC-22SIC842
387. BENZYL ALCOHOL 99%, FCC, FG	W213705	A30474	HC-22SI5B74
388. BENZYL ALCOHOL NATURAL, 98%, FG	W213713	B29827	HC-22SI3L78
389. BENZYL BENZOATE 99%, FCC	W213802	B49509	HC-22SIB510
390. BENZYL BENZOATE NATURAL, 99%, FCC, FG	W213810	B16051	HC-22SIZB80
391. BENZYL BUTYRATE 98%, FCC, FG	W214000	R) B69641	HC-22SIEK52
392. BENZYL BUTYRATE NATURAL, 98%, FCC	W214019	A29284	HC-22SI2K65
393. BENZYL CINNAMATE 98%	W214205	B46260	HC-22SI8387
394. BENZYL DISULFIDE 98%	W361704	A55831	HC-22SIYN34

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
395. BENZYL ETHER	W237108	C39739	HC-22SIL871
396. BENZYL FORMATE	W214507	C39734	HC-22SI4V78
397. BENZYL FORMATE, NATURAL	W214520	C20178	HC-22SI7D57
398. BENZYL ISOBUTYRATE 97%, FCC, FG	W214108	A25888	HC-22SI6Q34
399. Benzyl phenylacetate =98%, FCC, FG	W214906	C16103	HC-22SIBY66
400. BENZYL PROPIONATE	W215000	C45645	HC-22SIFB80
401. BENZYL SALICYLATE	W215104	C35041	HC-22SIUV72
402. BENZYLIDENEACETONE 98%, FG	W288101	A37837	HC-22SIXA26
403. BERGAMOT OIL, ITALIAN	W215309	C47737	HC-22SI6U04
404. BETA IONONE PREDOMINANTLY TRANS, 97%, FCC, FC	G W259500	C87822	HC-22SI6R01
405. BETA-ALANINE	W325201	C49390	HC-22SIH596
406. BETA-CARYOPHYLLENE 80%, FCC	W225207	B86970	HC-22SIQF78

Muhammet Musin Chandy Muhammad Munir Chaudry, Ph.D.

Muhammad Munir Chaudry, Ph.D. President



This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 36 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
407. BETA-CYCLOCITRAL 95%, FG	W363928	A96541	HC-22SIT421
408. BETA-IONONE, NATURAL (US)	W259525	C35048	HC-22SI9708
409. BIRCH OIL, SWEET, NATURAL	W215481	C53462	HC-22SI5W12
410. BIS(2-METHYL-3-FURYL) DISULFIDE 98%, FG	W325900	B78302	HC-22SI9H15
411. BIS(METHYLTHIO)METHANE 99%, FG	W387800	B35571	HC-22SIFX17
412. BOIS DE ROSE	W215600	C47738	HC-22SI4S29
413. BUTAN-3-ONE-2-YL BUTANOATE	W333200	C10282	HC-22SI9B69
414. BUTAN-3-ONE-2-YL BUTANOATE 98%, FCC	W333204	B38138	HC-22SIDX26
415. BUTYL (S)-(-)-LACTATE 97%	W220507	B69484	HC-22SIEQ50
416. BUTYL (S)-(-)-LACTATE, 97%, FG	W220500	A86199	HC-22SIUI50
417. BUTYL 10-UNDECENOATE	W221600	C42587	HC-22SI9T97
418. BUTYL 2-METHYLBUTYRATE 97%, FG	W339318	B13294	HC-22SI1R62

Mahammetellusin Chavday Muhammad Munir Chaudry, Ph.D.

President









Date: June 20, 2022 Document #: 4739.15720.II220009

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 #
419. BUTYL ACETATE	W217409	C44259	HC-22SIDD16
420. BUTYL ACETATE NATURAL, 98%, FG	W217417	B64754	HC-22SIVA19
421. BUTYL ALCOHOL 99.9%, FCC, FG	W217820	C87817	HC-22SI9J43
422. Butyl Alcohol Natural	W217816	C29012	HC-22SIRL31
423. BUTYL BENZOATE, 98%	W515000	A16526	HC-22SILZ75
424. BUTYL BUTYRATE 98%, FCC, FG	W218618	B39157	HC-22SIC238
425. BUTYL BUTYRATE, NATURAL	W218626	C44260	HC-22SIZE64
426. BUTYL BUTYRYLLACTATE 98%, FCC, FG	W219002	B29479	HC-22SI3M75
427. BUTYL BUTYRYLLACTATE, NATURAL	W219010	C20179	HC-22SIS701
428. BUTYL FORMATE	W219606	C51533	HC-22SIEM73
429. BUTYL HEXANOATE 98%, FG	W220108	C87818	HC-22SIUN51
430. BUTYL ISOBUTYRATE	W218804	C39736	HC-22SI1H66

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President



This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 38 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
431. BUTYL ISOVALERATE 98%, FCC, FG	W221805	B20652	HC-22SI8F14
432. BUTYL PROPIONATE	W221104	C47739	HC-22SIU276
433. BUTYLAMINE 99%	W313009	B58157	HC-22SID169
434. BUTYLATED HYDROXYANISOLE 99%, FCC	W218308	A86672	HC-22SIUV54
435. BUTYRALDEHYDE, NATURAL	W221910	C29110	HC-22SI3I33
436. BUTYRIC ACID NATURAL, 99%, FCC, FG	W222119	B80835	HC-22SI7L29
437. BUTYRIC ACID, 99%, FG	W222100	B71311	HC-22SIDH66
438. CAFFEINE ANHYDROUS, FCC, 99%	W222402	B19191	HC-22SIVW03
439. CAMPHENE	W222910	R) C37174	HC-22SI2905
440. CANOLA OIL, CERTIFIED ORGANIC	W530228	C35039	HC-22SIBO65
441. CARDAMOM OIL, CERTIFIED ORGANIC (NOP)	W224123	A97340	HC-22SITL26
442. CARROT SEED OIL, FG	W224405	A27262	HC-22SI7843

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
443. CARVACROL 98%, FCC, FG	W224502	B71542	HC-22SIDD69
444. CARVACROL, NATURAL	W224511	C36275	HC-22SIV172
445. CASSIA OIL	W225800	B71238	HC-22SICU64
446. CASTOR OIL, CERTIFIED ORGANIC (NOP)	W226318	B24577	HC-22SI5K45
447. CEDARWOOD OIL, ATLAS TYPE, CERTIFIED ORGANIC (NOP)	W530143	B60381	HC-22SIDP80
448. CHAMOMILE MOROCCO	W521302	C35036	HC-22SIVK05
449. CHAMOMILE OIL, GERMAN, CERTIFIED ORGANIC (NOP)	W227315	A19847	HC-22SII303
450. CHOLINE CHLORIDE, 98%, FCC	W450001	B32384	HC-22SIHR91
451. CINNAMALDEHYDE NATURAL, 95%, FG	W228613	A21501	HC-22SIAA15
452. CINNAMIC ALCOHOL, NATURAL	W229411	C36278	HC-22SIE179
453. CINNAMON BARK OIL FCC, FG	W229105	B21710	HC-22SI9224

Muhammet Huin Chardy

Muhammad Munir Chaudry, Ph.D. President



This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 40 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
454. CINNAMON BARK OIL, CERTIFIED ORGANIC (NOP)	W229140	B29555	HC-22SI3Q76
455. CINNAMON LEAF OIL, CERTIFIED ORGANIC (NOP)	W229208	B52053	HC-22SIHK32
456. CINNAMON OIL, CEYLON TYPE	W229202	B95984	HC-22SIWY07
457. CINNAMYL ACETATE	W229318	C47740	HC-22SITA93
458. CINNAMYL ACETATE, NATURAL	W229301	C36277	HC-22SID409
459. CINNAMYL ALCOHOL 98%	W229407	B68364	HC-22SI8P39
460. CINNAMYL BENZOATE, 98%, FG	W470301	A89117	HC-22SI9G67
461. CINNAMYL CINNAMATE, MIXTURE OF ISOMERS	W229806	C47741	HC-22SIJ767
462. Cinnamyl Isobutyrate	W229709	C29013	HC-22SI6151
463. CIS-2-HEXEN-1-OL 96%, FG	W392405	B33342	HC-22SIOI01
464. CIS-2-NONEN-1-OL	W372005	C56645	HC-22SIRD07
465. CIS-2-PENTEN-1-OL	W430500	C42600	HC-22SI6D55

Mahammetellusin Chavday

Muhammad Munir Chaudry, Ph.D. President



NU RITION ORPORATION ORPORATIONA





Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
466. CIS-3,7-DIMETHYL-2,6-OCTADIEN-1-OL	W277002	C39748	HC-22SIFI19
467. CIS-3-HEPTEN-1-OL	W519030	C56648	HC-22SIZH87
468. CIS-3-HEXEN-1-OL 98%, FCC, FG	W256307	A41215	HC-22SIXI44
469. CIS-3-HEXEN-1-OL NATURAL, 98%, FCC, FG	W256323	A23218	HC-22SI6P24
470. CIS-3-HEXENAL SOLUTION 50% IN TRIACETIN	W256102	A20251	HC-22SIIA06
471. cis-3-Hexenyl 2-Methylbutanoate	W349700	C41922	HC-22SI2I37
472. CIS-3-HEXENYL 3-METHYLBUTANOATE 97%, FCC, F	G W349801	B38841	HC-22SIES34
473. CIS-3-HEXENYL ACETATE 98%, FCC, FG	W317101	A81084	HC-22SI6420
474. CIS-3-HEXENYL ACETATE NATURAL	W317128	A95025	HC-22SI5B07
475. CIS-3-HEXENYL ACETATE, NATURAL	W317100	C29509	HC-22SI4F83
476. CIS-3-HEXENYL BENZOATE	W368806	C42598	HC-22SIH552
477. CIS-3-HEXENYL BUTYRATE 98%, FG	W340200	B28072	HC-22SI5U69

Mahammetellusin Chavday

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
478. CIS-3-HEXENYL CIS-3-HEXENOATE 95%, FG	W368903	A56022	HC-22SIZZ36
479. CIS-3-HEXENYL FORMATE	W335304	C42596	HC-22SICY41
480. CIS-3-HEXENYL HEXANOATE 98%, FG	W340308	A99561	HC-22SI2739
481. CIS-3-HEXENYL ISOBUTYRATE 98%, FG	W392901	A91511	HC-22SIZX83
482. CIS-3-HEXENYL LACTATE 98%, FG	W369004	A38324	HC-22SIY530
483. CIS-3-HEXENYL PHENYLACETATE 99%	W363308	B20456	HC-22SIAC10
484. CIS-3-HEXENYL PROPIONATE	W393304	C42599	HC-22SIQP12
485. CIS-3-HEXENYL TIGLATE	W393118	C44276	HC-22SI5712
486. CIS-4-DECENAL 93%, STABILIZED	W326402	B 21092	HC-22SI8Q19
487. CIS-4-HEPTENAL 98%, FCC, FG	W328901	B60926	HC-22SIEM85
488. CIS-5-OCTEN-1-OL 98%	W372218	A60734	HC-22SIBQ64
489. CIS-6-NONEN-1-OL 95%, FG	W346500	A14331	HC-22SIBO62

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
490. CIS-6-NONENAL 95%, FG	W358002	A62888	HC-22SISE86
491. CIS-JASMONE	W319600	B44938	HC-22SIAU77
492. CITRAL DIETHYL ACETAL 93%	W230405	B52246	HC-22SI4K34
493. CITRAL DIMETHYL ACETAL 90%	W230502	A60477	HC-22SICR62
494. CITRAL MIXTURE OF CIS AND TRANS, 96%, FG	W230308	A26988	HC-22SI7W40
495. CITRAL, NATURAL	W230316	C37175	HC-22SIEI33
496. CITRIC ACID NATURAL, 99.5%, FCC, FG	W230633	C87819	HC-22SIDA27
497. CITRIC ACID, 99.5%, FCC, FG	W230618	B46148	HC-22SI8W84
498. CITRONELLA OIL, JAVA, CERTIFIED ORGANIC (NOP)	W230840	A42469	HC-22SII456
499. CITRONELLA OIL, JAVA, NATURAL	W230812	C53463	HC-22SIIW59
500. CITRONELLOL, MIXTURE OF ISOMERS, NATURAL	W230915	C36279	HC-22SIWH66
501. CITRONELLYL ACETATE	W231118	C42589	HC-228I3252

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022 Document #: 4739.15720.II220009

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 #
502. CLOVE BUD OIL NATURAL (US), FCC, FG	W232300	B51830	HC-22SIJM28
503. CLOVE BUD OIL, CERTIFIED ORGANIC (NOP)	W232314	A71757	HC-22SI4A51
504. COCOA EXTRACT, BLEND, FG	W584649	B65604	HC-22SIUH25
505. COCONUT OIL, VIRGIN, CERTIFIED ORGANIC (NOP)	W530155	B15645	HC-22SIZG78
506. COFFEE OIL, ROASTED, NATURAL (US)	W530618	C35037	HC-22SIEX87
507. COPAIBA BALSAM OIL	W521809	A41463	HC-22SIUO47
508. CORIANDER OIL, NATURAL	W233404	C53464	HC-22SIAO19
509. CORNMINT OIL, CERTIFIED ORGANIC (NOP)	W421906	B48848	HC-22SI6V04
510. COUMARIN	W526509	C42602	HC-22SIFI26
511. CUMINALDEHYDE 98%, FCC	W234109	B14973	HC-22SIZ774
512. CYCLOHEXYL ACETATE 98%, FG	W234907	A68608	HC-22SIQA29
513. CYCLOHEXYL BUTYRATE	W235105	C44262	HC-22SIRS32

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
514. CYCLOPENTANETHIOL 97%	W326208	B38236	HC-22SIDT28
515. CYCLOPENTANONE 99%, FG	W391018	A83289	HC-22SI3N31
516. D-CAMPHOR	W223023	C35042	HC-22SI5Q13
517. D-CAMPHOR	W223018	C51534	HC-22SIHU55
518. D-CARVONE	W224928	C39737	HC-22SI7V58
519. D-DIHYDROCARVONE, MIXTURE OF ISOMERS	W356506	C39751	HC-22SIDG63
520. D-DIHYDROCARVONE, NATURAL	W356511	C35053	HC-22SI5B15
521. DECANAL	W236209	C39738	HC-22SIQR26
522. DECANAL, NATURAL	W236217	C36280	HC-22SIX449
523. DECANOIC ACID 98%, FCC, FG	W236403	B58375	HC-22SID771
524. DECANOIC ACID NATURAL, 98%, FCC, FG	W236411	B79908	HC-22SI9X22
525. DELTA-DECALACTONE 98%, FCC, FG	W236101	B20919	HC-22SI8617

Muhammet Musin Chandy Muhammad Munir Chaudry, Ph.D. President

NUTRITION COMPORT COMO

This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 46 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

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-22SIFJ86
527. DELTA-DODECALACTONE MIXTURE OF ISOMERS, 98%, FCC, FG	W240109	A10469	HC-22SI6M32
528. DELTA-DODECALACTONE, MIXTURE OF ISOMERS, NATURAL, 98%, FG	W240115	B50662	HC-22SIEY19
529. DELTA-HEXALACTONE	W316700	C42594	HC-22SI8528
530. DELTA-NONALACTONE 98%, FCC, FG	W335606	B28381	HC-22SI5O70
531. DELTA-TETRADECALACTONE 98%, FG	W359009	A42738	HC-22SIIQ58
532. DELTA-TETRADECALACTONE, NATURAL	W359020	C36290	HC-22SI1E79
533. DELTA-UNDECALACTONE, 97%, FG	W329401	B23295	HC-22SI7O33
534. DIETHYL MALATE 97%, FG	W237418	A14166	HC-22SIBH61
535. DIETHYL MALONATE 98%	W237507	B27853	HC-22SI5I67
536. DIETHYL SEBACATE 98%, FCC, FG	W237604	B29929	HC-22SI3N80

Mahammak Musin Chavday

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
537. DIETHYL SUCCINATE 99%, FCC, FG	W237701	B84448	HC-22SIZO58
538. DIETHYL SUCCINATE, NATURAL, =99%, FG	W237712	B52944	HC-22SIE736
539. DIETHYL SULFIDE	W382501	C56646	HC-22SISR87
540. DIHYDRO-BETA-IONONE	W362603	C54818	HC-22SITP27
541. DIHYDROCOUMARIN 99%, FCC, FG	W238104	B54212	HC-22SITG44
542. DIHYDROJASMONE 98%	W376302	B24046	HC-22SI7M40
543. DIMETHYL DISULFIDE, 98%, FG	W353604	B76746	HC-22SIBD05
544. DIMETHYL PHENYL ETHYL CARBINYL ISOBUTYRATE	W273601	A40050	HC-22SIYQ38
545. DIMETHYL SUCCINATE	W239607	C44263	HC-22SIYQ39
546. DIMETHYL SULFIDE NATURAL, 99%, FCC, FG	W274623	A29903	HC-22SI5N69
547. Dimethyl Sulfide, Redistilled	W274615	C41914	HC-22SIRE30
548. DIMETHYL SULFOXIDE 99%	W387509	A29885	HC-22SI5N68

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
549. DIMETHYL TRISULFIDE 98%, FG	W327506	B64729	HC-22SIWM17
550. DIPHENYL ETHER, 99%, FG	W366706	A85210	HC-22SIU346
551. DISODIUM SUCCINATE 98%	W327700	B73688	HC-22SICY81
552. DL-ALANINE 99%, FCC, FG	W381810	A30662	HC-22SI4O77
553. DL-Menthol	W266507	C29015	HC-22SIXV17
554. DL-MENTHYL ACETATE 97%, FG	W266809	C87825	HC-22SI7V03
555. DL-METHIONINE	W330108	C45650	HC-22SI7C52
556. DL-VALINE	W344400	C53468	HC-22SI8281
557. D-Octalactone, Mixture Of Isomers	W321405	C41920	HC-22SIFN86
558. D-RIBOSE, NATURAL	W379312	B88298	HC-22SIAP11
559. d-Tridecalactone	W468501	C29022	HC-22SIYE33
560. D-Undecalactone, Mixture Of Isomers Natural	W329415	C41921	HC-22SI2B42

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
561. D-XYLOSE, NATURAL	W360620	B88310	HC-22SI7G36
562. ETHANETHIOL	W425800	C54820	HC-22SITW94
563. Ethyl 10-undecenoate	W246107	B95985	HC-22SIY568
564. ETHYL 2-AMINOBENZOATE 96%, FCC, FG	W242101	A43851	HC-22SIGL61
565. ETHYL 2-FUROATE 98%	W501301	A74454	HC-22SIZ570
566. ETHYL 2-MERCAPTOPROPIONATE 95%, FG	W327905	B42328	HC-22SIBY54
567. ETHYL 2-METHYL-1,3-DIOXOLANE-2-ACETATE	W447704	D23346	HC-22SIPR08
568. ETHYL 2-METHYL-4-PENTENOATE 98%	W348902	A77721	HC-22SI6Q95
569. ETHYL 2-METHYLBUTYRATE 98%, FCC, FG	W244309	A33902	HC-22SIZA96
570. ETHYL 2-METHYLBUTYRATE NATURAL, MIXTURE OF ENANTIOMERS, 98%, FCC, FG	W244317	B80172	HC-22SI7B24
571. ETHYL 2-TRANS-4-CIS-DECADIENOATE 80%	W314803	B55781	HC-22SIHI53

Muhammet Huin Chardy

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
572. ETHYL 2-TRANS-4-CIS-DECADIENOATE NATURAL, 95%, FG	W314811	B10661	HC-22SI3P46
573. ETHYL 2-TRANS-4-CIS-DECADIENOATE, =95%, STABILIZED, FG	W314820	A63692	HC-22SITP91
574. ETHYL 3-(FURFURYLTHIO)PROPIONATE 98%	W367400	B38325	HC-22SIDU29
575. ETHYL 3-(METHYLTHIO)PROPIONATE 99%, FCC, FG	W334308	B47105	HC-22SI9B93
576. ETHYL 3-HYDROXYBUTYRATE 97%, FG	W342807	A97903	HC-22SIT630
577. ETHYL 3-HYDROXYBUTYRATE, NATURAL	W342815	C20194	HC-22SIXH54
578. ETHYL 3-HYDROXYHEXANOATE 98%, FG	W354503	B70042	HC-22SIE554
579. ETHYL 3-METHYL-2-OXOPENTANOATE	W490355	D23360	HC-22SIHA97
580. ETHYL 3-PHENYLGLYCIDATE MIXTURE OF CIS AND TRANS, 92%	W245402	A46401	HC-22SIHX75
581. ETHYL ACETOACETATE NATURAL, 97%, FG	W241512	B14799	HC-22SIY571
582. ETHYL BENZOATE, NATURAL	W242217	C37177	HC-22SIR463

Mahammak Musin Chavday

Muhammad Munir Chaudry, Ph.D. President





This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 51 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
583. ETHYL BICYCLO[2.2.1]HEPT-2-ENE-5-CARBOXYLATE	W479010	D23357	HC-22SIOK33
584. ETHYL BUTYRATE 98%, FCC, FG	W242705	B46538	HC-22SI8N89
585. ETHYL BUTYRATE NATURAL, 98%, FCC, FG	W242713	A28734	HC-22SI3W59
586. ETHYL CINNAMATE 98%, FCC, FG	W243000	B82509	HC-22SI6540
587. ETHYL CINNAMATE NATURAL, 95%, FG	W243019	B51250	HC-22SIIA22
588. ETHYL DECANOATE 98%, FCC, FG	W243205	B44726	HC-22SI9U75
589. ETHYL DECANOATE, NATURAL	W243213	C20182	HC-22SIGW58
590. ETHYL FORMATE 97%, FCC, FG	W243418	A88335	HC-22SIYX62
591. ETHYL FORMATE NATURAL, 95%, FG	W243434	A22264	HC-22SI9C20
592. ETHYL HEPTANOATE 98%, FCC, FG	W243701	B26223	HC-22SI7H56
593. ETHYL HEXANOATE 98%, FCC, FG	W243906	A77129	HC-22SI8W90
594. ETHYL HEXANOATE NATURAL, 98%, FCC, FG	W243914	B85548	HC-22SIKD65

Mahammetellusin Chavday Muhammad Munir Chaudry, Ph.D.

President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
595. ETHYL ISOBUTYRATE 98%, FCC, FG	W242802	B55621	HC-22SIV551
596. ETHYL ISOBUTYRATE NATURAL, 98%, FCC, FG	W242810	A40388	HC-22SIYB41
597. ETHYL ISOVALERATE 98%, FCC, FG	W246301	A56928	HC-22SIW240
598. ETHYL ISOVALERATE NATURAL, 98%, FCC, FG	W246328	A80691	HC-22SI4H18
599. ETHYL LACTATE 98%, FCC, FG	W244007	B42148	HC-22SIBD53
600. ETHYL LAURATE 98%, FCC, FG	W244104	A11780	HC-22SI5G42
601. ETHYL LEVULINATE 98%, FCC, FG	W244201	B46245	HC-22SI8Q86
602. ETHYL LEVULINATE, NATURAL, 98%, FG	W244220	B27240	HC-22SI5C65
603. ETHYL MALTOL 99%, FCC, FG	W348708	N78277	HC-22SI7206
604. ETHYL MYRISTATE 98%, FCC, FG	W244503	A64584	HC-22SI8C97
605. ETHYL NONANOATE 98%, FCC, FG	W244708	A72686	HC-22SI3F56
606. ETHYL NONANOATE, NATURAL, 98%, FG	W244740	B54153	HC-22SII243

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
607. ETHYL OCTANOATE 98%, FCC, FG	W244902	B62247	HC-22SI9D93
608. Ethyl Octanoate, Natural	W244910	C41909	HC-22SIHQ97
609. ETHYL PALMITATE 95%, FG	W245100	A84109	HC-22SI4C39
610. ETHYL PALMITATE, NATURAL	W245115	C36282	HC-22SI9I17
611. ETHYL P-ANISATE	W242000	C10274	HC-22SI2605
612. ETHYL P-ANISATE 97%, FCC	W242004	A34966	HC-22SI2806
613. ETHYL PHENYLACETATE 98%, FCC, FG	W245208	B29873	HC-22SI3J79
614. ETHYL PHENYLACETATE, NATURAL	W245230	C20184	HC-22SIJK02
615. ETHYL PROPIONATE 97%, FCC, FG	W245607	B62816	HC-22SIN799
616. ETHYL PROPIONATE NATURAL, 97%, FCC, FG	W245615	B83651	HC-22SI7649
617. ETHYL PYRUVATE 97%	W245704	A23535	HC-22SI6X25
618. ETHYL PYRUVATE NATURAL, 95%, FG	W245712	A98244	HC-22SISZ33

Mahammetellusin Chavday Muhammad Munir Chaudry, Ph.D.

President









Date: June 20, 2022

Document #: 4739.15720.II220009

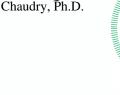
Company Name & Address: Sigma-Aldrich Corporation 6000 N. Teutonia Avenue Milwaukee, Wisconsin 53209 USA

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

Product Name	Product Code	Halal-ID	Product Certificate #
619. ETHYL PYRUVATE, =97%, FG	W245735	B75829	HC-22SIA394
620. ETHYL SALICYLATE 99%, FCC, FG	W245801	B31814	HC-22SIFY88
621. ETHYL TIGLATE 98%	W246018	B19723	HC-22SIWM06
622. ETHYL TIGLATE, =98%, FG	W246000	A11573	HC-22SI6H40
623. ETHYL TRANS-2-BUTENOATE 96%, FG	W348600	B20507	HC-22SIAJ11
624. ETHYL TRANS-2-DECENOATE 95%, FG (STABILISED)	W364118	A17436	HC-22SIKR84
625. ETHYL TRANS-3-HEXENOATE 98%, FG	W334200	A26302	HC-22SI5438
626. ETHYL VALERATE 98%, FG	W246204	A58632	HC-22SIXY51
627. ETHYL VANILLIN 98%, FCC, FG	W246409	A62715	HC-22SIVH83
628. ETHYL VINYL KETONE	W338210	C29635	HC-22SIT531
629. ETHYL VINYL KETONE 95%, STABILIZED, FG	W338206	B55746	HC-22SIVJ52
630. ETHYLCYCLOPENTENOLONE,NATURAL	W315230	C10275	HC-22SIP969

Mahammetellusin Chavday

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
631. ETHYLENE BRASSYLATE	W354309	C42597	HC-22SIP972
632. ETHYL-TRANS-2-OCTENOATE 98%, FG	W364304	A77513	HC-22SI8594
633. EUCALYPTOL, NATURAL	W246506	C39742	HC-22SI4838
634. EUCALYPTUS OIL, RADIATA, CERTIFIED ORGANIC (NOP)	W530089	A31255	HC-22SI4X81
635. EUGENOL 98%, FCC, FG	W246700	A29021	HC-22SI3Z61
636. EUGENOL, NATURAL	W246719	C37178	HC-22SI5W11
637. Eugenyl Acetate	W246905	C32919	HC-22SIB166
638. EVENING PRIMROSE OIL, CERTIFIED ORGANIC (NOP)	W530165	A75717	HC-22SIYE77
639. FARNESENE, MIXTURE OF ISOMERS	W383902	C37190	HC-22SIUZ33
640. FARNESOL MIXTURE OF ISOMERS, 95%	W247804	A58430	HC-22SIXW48
641. FENCHYL ALCOHOL	W248010	C39743	HC-22SIHC74
642. FENNEL OIL, SWEET	W248207	C49386	HC-22SI8Q32

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
643. FENUGREEK ABSOLUTE, NATURAL	W248606	B92008	HC-22SIWY91
644. FORMIC ACID 95%, FCC, FG	W248703	B63088	HC-22SIN202
645. FRANKINCENSE OIL, CERTIFIED ORGANIC (NOP)	W281623	A92353	HC-22SIWK90
646. FUMARIC ACID	W248800	C36284	HC-22SIJ390
647. Fumaric Acid Natural	W248835	C29014	HC-22SIXX25
648. FURFURAL	W248908	C29218	HC-22SIA778
649. FURFURAL, NATURAL	W248924	C29219	HC-22SI4X55
650. FURFURYL 3-METHYLBUTANOATE 98%, FG	W328308	A84221	HC-22SI4541
651. FURFURYL ACETATE 98%, FG	W249009	B26837	HC-22SI4960
652. FURFURYL ALCOHOL 97%, FG	W249106	B85854	HC-22SIH468
653. FURFURYL ALCOHOL, NATURAL	W249166	C20185	HC-22SI7574
654. FURFURYL BUTYRATE 99%	W501700	B76673	HC-22SIA402

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
655. FURFURYL MERCAPTAN 97%, FG	W249300	A91210	HC-22SI1T80
656. FURFURYL MERCAPTAN, NATURAL	W249311	C29224	HC-22SITF92
657. FURFURYL METHYL SULFIDE	W316008	C51539	HC-22SI4527
658. FURFURYL PROPIONATE 98%, FG	W334618	B51339	HC-22SIJ724
659. FURFURYL THIOACETATE 98%, FG	W316202	B46776	HC-22SI7S91
660. FURFURYL THIOACETATE NATURAL	W316255	D12702	HC-22SIU774
661. FURFURYL THIOPROPIONATE 98%	W334707	A74386	HC-22SIZX69
662. GAMMA-DECALACTONE 98%, FCC, FG	W236004	A24839	HC-22SI6729
663. GAMMA-DODECALACTONE 97%, FCC, FG	W240001	A50487	HC-22SISH05
664. GAMMA-DODECALACTONE, NATURAL	W240015	C37176	HC-22SI7F39
665. GAMMA-HEPTALACTONE 98%, FCC, FG	W253901	A53304	HC-22SIDP17
666. GAMMA-HEXALACTONE 98%, FCC, FG	W255602	A58544	HC-22SIXR50

Mahammetellusin Chavday Muhammad Munir Chaudry, Ph.D.

President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
667. GAMMA-METHYL DECALACTONE	W378621	C44275	HC-22SIAL97
668. GAMMA-NONALACTONE	W278106	C44268	HC-22SIUG57
669. GAMMA-NONANOIC LACTONE, NATURAL	W278140	C41917	HC-22SI4J11
670. GAMMA-OCTALACTONE 97%, FCC, FG	W279609	A76707	HC-22SI8Q87
671. GAMMA-OCTALACTONE NATURAL, 97%, FG	W279617	B61498	HC-22SIES89
672. GAMMA-TERPINENE 95%, FG	W355909	B77473	HC-22SI8G10
673. GAMMA-TERPINENE, NATURAL	W355901	C45652	HC-22SIUU75
674. GAMMA-UNDECALACTONE 98%, FCC, FG	W309109	A93499	HC-22SIW595
675. GAMMA-UNDECALACTONE, NATURAL (US)	W309101	R) C35049	HC-22SIED49
676. GAMMA-VALEROLACTONE 98%, FCC, FG	W310301	B39047	HC-22SIDO37
677. GARLIC OIL, CHINESE	W250309	C44264	HC-22SIUD47
678. GERANIC ACID	W412101	C47743	HC-22SI8L97

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
679. GERANIOL 97%, FCC, FG	W250708	A34589	HC-22SI2G03
680. GERANIOL, NATURAL	W250716	C39744	HC-22SI6D53
681. GERANIUM OIL, CHINESE, NATURAL	W250813	C51535	HC-22SIZO88
682. GERANYL ACETATE FCC	W250902	A57458	HC-22SIW243
683. GERANYL ACETATE, NATURAL	W250910	C44265	HC-22SIIK94
684. GERANYL BUTYRATE, NATURAL	W251216	C20186	HC-22SIG960
685. GERANYL ISOVALERATE 95%, FG	W251801	A51893	HC-22SIDK08
686. Geranyl Isovalerate, US Natural	W251820	C32920	HC-22SI2338
687. GERANYL PHENYLACETATE FCC	W251607	R) B12209	HC-22SI1U52
688. GERANYL PROPIONATE, 95%, FCC, FG	W251704	B57603	HC-22SICT64
689. GERANYL PROPIONATE, NATURAL, 95%, FG	W251700	B71908	HC-22SIDB71
690. GINGER OIL NATURAL, FCC, FG	W252204	A92063	HC-22SIWD89

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022 Document #: 4739.15720.II220009

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 #
691. GLYCEROL, 99%, FCC, FG	W252506	B35474	HC-22SIFL16
692. GLYCINE, NATURAL	W328712	B88306	HC-22SIUQ26
693. Grapefruit Oil, Florida Natural	W253006	C32921	HC-22SIZL65
694. GUAIACOL NATURAL, 98%, FG	W253200	A46856	HC-22SIET78
695. Guaiacyl Phenyl Acetate	W253502	C32922	HC-22SI5R33
696. GUAICWOOD ACETATE	W522007	B26968	HC-22SI4362
697. HAZELNUT KETONE, NATURAL	W376112	C10280	HC-22SIIB93
698. HEPTANAL 95%, FCC, FG	W254002	A25370	HC-22SI6O31
699. HEPTANOIC ACID, NATURAL	W334812	C45651	HC-22SIZ793
700. HEPTYL ACETATE 98%, FG	W254703	A80618	HC-22SI5Z17
701. Heptyl Acetate, Natural	W254711	C41910	HC-22SIC212
702. HEPTYL ALCOHOL 97%, FCC, FG	W254800	C87821	HC-22SI1O80

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022 Document #: 4739.15720.II220009

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 #
703. HEPTYL ALCOHOL, NATURAL	W254820	C10277	HC-22SID513
704. HEPTYL FORMATE 98%	W255203	B49033	HC-22SIHE06
705. Heptyl Heptanoate Natural	W434100	C32923	HC-22SI3D63
706. HEXANAL 97%, FCC, FG	W255718	A72367	HC-22SI4M55
707. HEXANAL NATURAL, 95%, FG	W255726	B57669	HC-22SICM65
708. HEXANOIC ACID 98%, FCC, FG	W255904	A15114	HC-22SIBF68
709. HEXANOIC ACID NATURAL, =98%, FCC, FG	W255900	A16305	HC-22SILN74
710. HEXANOIC ACID NATURAL, 98%, FCC	W255912	B50016	HC-22SIWF15
711. HEXYL 2-METHYLBUTANOATE 95%, FCC, FG	W349909	R) B14710	HC-22SIYG69
712. HEXYL ACETATE 98%, FCC, FG	W256501	A11596	HC-22SI6O41
713. HEXYL ACETATE NATURAL, 98%, FCC, FG	W256528	A28594	HC-22SI3P58
714. HEXYL ALCOHOL	W256706	C37180	HC-22SITM45

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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-22SI5M08
716. HEXYL BENZOATE FG	W369101	A68197	HC-22SIQK25
717. HEXYL BUTYRATE 98%, FG	W256803	B47388	HC-22SI8A96
718. HEXYL BUTYRATE NATURAL	W256811	C37181	HC-22SIX782
719. HEXYL FORMATE	W257001	C45646	HC-22SIJS80
720. HEXYL HEXANOATE 97%, FG	W257206	A63493	HC-22SIS489
721. HEXYL ISOBUTYRATE 98%, FG	W317209	A99332	HC-22SI2V38
722. HEXYL ISOBUTYRATE, NATURAL (US)	W317215	C42595	HC-22SIE651
723. HEXYL PROPIONATE 97%, FG	W257605	B22856	HC-22SI7Q29
724. HEXYL PROPIONATE, NATURAL (US)	W257615	C53465	HC-22SI9295
725. HEXYL TRANS-2-BUTENOATE 95%, FCC	W335401	A27655	HC-22SI7R48
726. HEXYL TRANS-2-BUTENOATE, 95%, FG	W335400	A26241	HC-228I5237

Muhammet Musin Chandy Muhammad Munir Chaudry, Ph.D.

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
727. HYDROCINNAMALDEHYDE 95%, FG, FCC	W288705	B69086	HC-22SI8445
728. HYDROXYCITRONELLAL	W258318	C54814	HC-22SIVH69
729. HYDROXYCITRONELLAL DIMETHYL ACETAL 95%, FCC	W258504	A69303	HC-22SI3436
730. HYSSOP OIL, CERTIFIED ORGANIC (NOP)	W259105	A42531	HC-22SIIB57
731. ISOAMYL ACETATE 95%, 70% ISOAMYL ACETATE BASIS, FCC	W205508	B65160	HC-22SILS20
732. ISOAMYL ACETATE NATURAL, 97%, FCC, FG	W205532	B46677	HC-22SI8G90
733. ISOAMYL ALCOHOL 98%, FG	W205702	A27614	HC-22SI7S47
734. ISOAMYL ALCOHOL NATURAL, 98%, FG	W205710	A37931	HC-22SIWS27
735. ISOAMYL BENZOATE	W205818	C53460	HC-22SIDL27
736. ISOAMYL BENZOATE4-HYDROXY-2,5-DIMETHYL-3(2H)- FURANONE, 15 wt. % IN PROPYLENE GLYCOL	W317410	C53466	HC-22SI4Y09
737. ISOAMYL BUTYRATE 98%, FCC, FG	W206008	A94399	HC-22SI7F99

Mahammak Musin Chavday

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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-22SI8K08
739. ISOAMYL CINNAMATE 97%, FG	W206318	A13377	HC-22SI7N56
740. Isoamyl Cinnamate Natural	W206326	C32916	HC-22SI9928
741. ISOAMYL FORMATE MIXTURE OF ISOMERS	W206903	A83789	HC-22SI4D36
742. ISOAMYL HEXANOATE, MIXTURE OF ISOMERS FCC	W207500	B34106	HC-22SI2D06
743. ISOAMYL ISOBUTYRATE 98%, FG	W350702	A88811	HC-22SI9L65
744. ISOAMYL ISOBUTYRATE NATURAL, 98%, 70% ISOAMYL ISOBUTYRATE BASIS	W350710	B42915	HC-22SIAG59
745. ISOAMYL ISOVALERATE 98%, FCC	W208507	B42920	HC-22SIAR60
746. ISOAMYL ISOVALERATE NATURAL, 98%, FCC, FG	W208515	A35342	HC-22SI1709
747. ISOAMYL OCTANOATE	W208000	C53461	HC-22SI9K94
748. ISOAMYL OCTANOATE NATURAL, 98%, FG	W208019	B75097	HC-22SICZ89

Mahammak Musin Chavday

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
749. ISOAMYL PHENYLACETATE NATURAL, 98%, FG	W208100	A73305	HC-22SI3P60
750. ISOAMYL PROPIONATE	W208205	C42585	HC-22SIQ328
751. Isoamyl Propionate Natural	W208213	C32918	HC-22SI6Z28
752. ISOBORNEOL	W215805	C39735	HC-22SI4235
753. ISOBORNYL ACETATE	W216003	C37173	HC-22SIXD45
754. ISOBUTYL ACETATE 98%, FCC, FG	W217506	B66735	HC-22SIVK29
755. ISOBUTYL ACETATE NATURAL, 97%, FCC, FG	W217514	B15184	HC-22SIZJ75
756. ISOBUTYL ALCOHOL 99%, FCC, FG	W217905	A70506	HC-22SI2W44
757. ISOBUTYL ALCOHOL, NATURAL	W217913	C36274	HC-22SIA812
758. ISOBUTYL BUTYRATE 98%, FCC, FG	W218707	B25374	HC-22SI6K50
759. ISOBUTYL BUTYRATE, NATURAL	W218715	C44261	HC-22SIT392
760. ISOBUTYL CINNAMATE 98%, FCC, FG	W219304	B71323	HC-22SIDS67

Muhammet Musin Chandy Muhammad Munir Chaudry, Ph.D.

President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
761. ISOBUTYL FORMATE 95%, FG	W219703	A62065	HC-22SIU977
762. ISOBUTYL HEXANOATE	W220205	C42586	HC-22SIA506
763. ISOBUTYL HEXANOATE, NATURAL, 95%	W220213	A68354	HC-22SIQY27
764. ISOBUTYL ISOVALERATE, NATURAL (US)	W336900	C44271	HC-22SI3U34
765. ISOBUTYL PHENYLACETATE 98%, FCC, FG	W221007	B10150	HC-22SI2242
766. ISOBUTYL PROPIONATE	W221201	C54813	HC-22SIJY78
767. ISOBUTYL PROPIONATE, NATURAL	W221240	C20180	HC-22SIBH01
768. ISOBUTYL SALICYLATE 98%, FCC	W221309	B73576	HC-22SIB679
769. Isobutyraldehyde	W222003	R) C41908	HC-22SIH199
770. ISOBUTYRALDEHYDE NATURAL, 96%, FG	W222011	B48458	HC-22SI7I01
771. ISOEUGENOL MIXTURE OF CIS AND TRANS, 99%, FG	W246808	B42336	HC-22SIAB55
772. ISOEUGENOL, NATURAL, 99%, FG	W246830	A71374	HC-22SI2347

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
773. ISOEUGENYL ACETATE 98%, FCC, FG	W247006	B62049	HC-22SI9D92
774. ISOPENTYLAMINE 98%	W321907	A73282	HC-22SI3759
775. ISOPENTYLAMINE, =98%	W321900	A26199	HC-22SI5Z36
776. ISOPROPYL ACETATE 99%, FCC	W292605	B44899	HC-22SIAB76
777. Isopropyl Alchohol	W292912	B31239	HC-22SIFB85
778. ISOPROPYL ALCOHOL 99.7%, FCC, FG	W292907	A72077	HC-22SI4F54
779. ISOPROPYL CINNAMATE 96%, FG	W293903	A78404	HC-22SI7P08
780. Isopropyl Isovalerate	W296101	A10636	HC-22SI6N34
781. ISOPROPYL MYRISTATE 98%	W355690	A76329	HC-22SI7D82
782. ISOPROPYL PALMITATE	W515604	C47746	HC-22SI5946
783. ISOPROPYL TIGLATE 98%	W322903	A91776	HC-22SIZY86
784. ISOVALERALDEHYDE	W269204	C29310	HC-22SI9K96

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
785. ISOVALERIC ACID 99%, FCC	W310204	A18898	HC-22SIIS95
786. ISOVALERIC ACID NATURAL, 98%, FG	W310212	A76605	HC-22SI7785
787. JASMIN ABSOLUTE	W259802	A73962	HC-22SIZK66
788. JUNIPER BERRY OIL, CERTIFIED ORGANIC (NOP)	W260404	A91480	HC-22SIZO82
789. L-(+)-TARTARIC ACID 99.7%, FCC, FG	W304409	B66785	HC-22SIVE31
790. L-(+)-TARTARIC ACID, NATURAL	W304412	C29443	HC-22SIX486
791. LACTIC ACID 85%, FCC	W261106	A18205	HC-22SIJ491
792. LACTIC ACID NATURAL, 85%	W261114	A37592	HC-22SIWI23
793. L-ALANINE, NATURAL	W381812	B88299	HC-22SIHT74
794. L-ARABINOSE, NATURAL	W325512	B88304	HC-22SICC91
795. L-ARGININE, NATURAL	W381920	B88300	HC-22SIAS20
796. L-ASPARTIC ACID	w365612	B88311	HC-22SIJJ26

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022 Document #: 4739.15720.II220009

Document #. **4739.13720.11220**

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 #
797. LAURIC ACID 98%, FCC, FG	W261408	B13921	HC-22SI1W64
798. LAURIC ACID, NATURAL	W261416	C36285	HC-22SIFB25
799. LAURIC ALDEHYDE 95%, FCC, FG	W261505	B86829	HC-22SIIE76
800. LAURIC ALDEHYDE NATURAL, 95%, FG	W261513	A29554	HC-22SI3Y67
801. LAURYL ACETATE	W261602	C47742	HC-22SIB507
802. LAURYL ALCOHOL 98%, FG	W261718	A65835	HC-22SI5O09
803. LAVENDER OIL, 40/42% FLEURS	W262218	C54815	HC-22SI9N26
804. LAVENDER OIL, CERTIFIED ORGANIC (NOP)	W262235	A17426	HC-22SIJP83
805. L-CARVEOL, MIXTURE OF CIS AND TRANS 95%, FG	W224707	(R) B21303	HC-22SI8C21
806. L-CARVONE 97%, FCC, FG	W224901	B76168	HC-22SIAE96
807. L-CARVONE, NATURAL	W224908	C36276	HC-22SI7359
808. L-CYSTEINE	W326305	C51540	HC-22SIZ737

Mahammetellusin Chavday

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
809. L-CYSTEINE HYDROCHLORIDE	W778567	C49394	HC-22SI4S12
810. L-DIHYDROCARVYL ACETATE MIXTURE OF ISOMERS, 95%	W238007	A16587	HC-22SIL976
811. LEMON OIL COLD-PRESSED, CALIFORNIA ORIGIN, FG	W262528	A62165	HC-22SIUE78
812. LEMON OIL, CERTIFIED ORGANIC (NOP)	W262533	A12161	HC-22SI6145
813. LEMONGRASS OIL, CERTIFIED ORGANIC (NOP)	W262440	B44426	HC-22SI9A73
814. LEVULINIC ACID 97%, FG	W262706	B80363	HC-22SI7X25
815. LEVULINIC ACID, NATURAL	W262701	C37182	HC-22SI8U47
816. L-FENCHONE 98%	W507709	A48344	HC-22SIFC89
817. L-GLUTAMIC ACID, NATURAL	W328512	B88305	HC-22SIVC47
818. LIME OIL, CERTIFIED ORGANIC (NOP)	W530106	A62385	HC-22SIUK82
819. LIME OIL, NATURAL, PURIFIED BY DISTILLATION	W263109	C37183	HC-22SISO06
820. LINALOOL 97%, FCC, FG	W263508	A13840	HC-22SI7960

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
821. Linalool Oxide, Natural	W374600	C41923	HC-228I9Z16
822. LINALYL ACETATE 97%, FCC, FG	W263605	C87823	HC-22SI3481
823. LINALYL ACETATE NATURAL, 80%	W263613	C87824	HC-22SI1H60
824. LINALYL BENZOATE 95%	W263818	B75571	HC-22SIAO93
825. LINALYL BUTYRATE 95%, FG	W263907	B60074	HC-22SIDL78
826. LINALYL FORMATE FCC	W264202	B22338	HC-22SI9U27
827. LINALYL PROPIONATE 95%, FCC, FG	W264504	B79431	HC-22SI9M18
828. LINOLEIC ACID, 95%, FG	W338020	A77466	HC-22SI8493
829. LITSEA CUBEBA OIL	W517208	B86730	HC-22SIIY73
830. LITSEA CUBEBA OIL, CERTIFIED ORGANIC (NOP)	W384606	A52863	HC-22SIDU15
831. L-LEUCINE, NATURAL	W329712	B88307	HC-22SI1114
832. L-LINALOOL NATURAL	W263516	C35046	HC-22SITW95

Mahammetellusin Chavday

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
833. L-LYSINE HYDROCHLORIDE, NATURAL	W384712	B88301	HC-22SI7O05
834. L-LYSINE,=98%, FG	W384720	A87506	HC-22SIZU59
835. L-MENTHOL NATURAL	W266523	D12697	HC-22SIBL68
836. L-MENTHONE MIXTURE OF ISOMERS, 96%, FCC, FG	W266701	B43017	HC-22SIB261
837. L-MENTHYL ACETATE, NATURAL	W266825	C42590	HC-22SICX88
838. L-MENTHYL LACTATE	W374800	C44274	HC-22SISS32
839. L-PHENYLALANINE, NATURAL	W358512	B88309	HC-22SIWE64
840. L-PROLINE 99%, FCC, FG	W331902	B81660	HC-22SI8635
841. L-RHAMNOSE MONOHYDRATE, NATURAL	W373012	B88297	HC-22SI9K91
842. L-RHAMNOSE, NATURAL	W373011	C20196	HC-22SIXB43
843. L-TURPENTINE	W308900	B44351	HC-22SI9X72
844. L-VALINE, NATURAL	W344412	B88308	HC-22SIVS49

Mahammetellusin Chavday

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
845. MACADAMIA OIL, CERTIFIED ORGANIC (NOP)	W530179	A99764	HC-22SI2G40
846. MALIC ACID, NATURAL	W265512	B88303	HC-22SIW268
847. MALTOL 99.0%, FCC, FG	W265608	A93640	HC-22SIV997
848. MALTOL NATURAL, 98.5%, FG	W265624	A92830	HC-22SIWO93
849. MALTYL ISOBUTYRATE 98%, FG	W346209	A96794	HC-22SIT622
850. MANDARIN GREEN OIL, CERTIFIED ORGANIC (NOP)	W265734	B82024	HC-22SI8R37
851. MANDARIN OIL ITALIAN, FCC	W265713	A46947	HC-22SIFD81
852. MANGO FURANONE NATURAL	W410100	D23343	HC-22SIB106
853. MARJORAM OIL, SWEET, CERTIFIED ORGANIC (NOP)	W266309	R A40020	HC-22SIY137
854. Massoia Lactone Natural	W374400	C29018	HC-22SIKX87
855. M-CRESOL 98%, FG	W353000	B61521	HC-22SIEV90
856. MENTHALACTONE 99%	W376418	B17742	HC-22SIXA89

Mahammetellusin Chavday

Muhammad Munir Chaudry, Ph.D. President



NUTRITION NO CORPORATION SO CORPORATIONA SO COR





Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
857. MENTHYL ISOVALERATE 98%, FG	W266906	A49925	HC-22SITH99
858. MENTHYL VALERATE NATURAL (US)	W415655	D23344	HC-22SI8A44
859. METHIONAL 97%, FG	W274704	A56085	HC-22SIZE38
860. METHYL (METHYLTHIO)ACETATE, FG	W400301	A59396	HC-22SIVP55
861. METHYL 2-FUROATE	W270318	C37184	HC-22SI9A44
862. METHYL 2-FUROATE, NATURAL	W270327	C35051	HC-22SIAX58
863. METHYL 2-METHYL-3-FURYL DISULFIDE 98%, FG	W357308	A77859	HC-22SI6699
864. METHYL 2-METHYLBUTYRATE NATURAL, 98%, FCC		B32709	HC-22SIHT95
865. METHYL 2-NONYNOATE 99%, FG	W272604	B50348	HC-22SIEA16
866. METHYL 2-OCTYNOATE 99%, FCC, FG	W272906	A47229	HC-22SIF884
867. METHYL 2-PYRROLYL KETONE 98%, FG	W320218	B69417	HC-22SIEY48
868. METHYL 2-THIOFUROATE 98%, FG	W331104	B81540	HC-22SI8S34

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
869. METHYL 3-(METHYLTHIO)PROPIONATE 98%, FG	W272000	A97501	HC-22SITG28
870. METHYL 3-HYDROXYHEXANOATE 97%, FG	W350818	B74585	HC-22SICM86
871. METHYL 3-HYDROYBUTYRATE	W445000	C29020	HC-22SI8H42
872. METHYL 3-NONENOATE 96%, FG	W371009	B14778	HC-22SIYT70
873. METHYL ACETATE 98%, FG	W267600	B51989	HC-22SI4631
874. METHYL ACETATE NATURAL (US), 98%, FG	W267619	B23248	HC-22SI7J32
875. METHYL ANTHRANILATE 98%, FCC, FG	W268208	A50458	HC-22SISI03
876. METHYL ANTHRANILATE, 99%, NATURAL	W268216	A12972	HC-22SI7553
877. METHYL ANTHRANILATE, NATURAL, 99%, FG	W268224	R) A96208	HC-22SIXP15
878. METHYL BENZOATE, NATURAL	W268313	C35044	HC-22SIC521
879. METHYL BUTYRATE 98%, FG	W269301	A27935	HC-22SI6Y51
880. METHYL BUTYRATE NATURAL, 98%, FG	W269328	A30555	HC-22SI4F76

Mahammetellusin Chavday Muhammad Munir Chaudry, Ph.D. President

NUTRITION CORPORATES HULLINOS SOUTH STATES





Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
881. METHYL CINNAMATE NATURAL, 98%, FCC, FG	W269816	A97610	HC-22SITY29
882. METHYL CYCLOHEXADIENE MIXTURE OF ISOMERS, STABILIZED	W431105	D23345	HC-22SI1U59
883. METHYL CYCLOPENTENOLONE ANHYDROUS, 98%, FCC, F	G W270008	A46677	HC-22SIEG77
884. Methyl Cyclopentenolone Anhydrous, Natural	W270015	C41913	HC-22SIF756
885. METHYL CYCLOPENTENOLONE HYDRATE, NATURAL	W270036	C35050	HC-22SIOW35
886. METHYL DECANOATE	W505501	C45654	HC-22SI5K32
887. METHYL DIHYDROJASMONATE, MIXTURE OF CIS AND TRANS 96%, FG	W340804	A54285	HC-22SICM20
888. METHYL EUGENOL	W247502	C36283	HC-22SI7935
889. METHYL FURFURYL DISULFIDE 95%, FG	W336203	A48090	HC-22SIFQ87
890. METHYL FURFURYL MERCAPTOPROPIONATE	W453801	D23348	HC-22SI6M03
891. METHYL HEXANOATE 99%, FG	W270806	B42402	HC-22SIAA56

Mahammak Musin Chavday

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
892. METHYL HEXANOATE NATURAL, 99%, FG	W270814	A96367	HC-22SIW119
893. METHYL ISOBUTYRATE, NATURAL	W269440	C42591	HC-22SI7F51
894. METHYL ISOEUGENOL 98%, FG	W247618	A43965	HC-22SIGS62
895. METHYL ISOVALERATE	W275301	C49388	HC-22SIWN02
896. METHYL JASMONATE 95%	W341002	A37686	HC-22SIWP24
897. METHYL LAURATE	W271500	C44266	HC-22SIC482
898. METHYL LAURATE, NATURAL	W271511	C35052	HC-22SIST07
899. METHYL OCTANOATE	W272809	C42592	HC-22SI4H16
900. METHYL P-ANISATE	W267902	C49387	HC-22SIAL57
901. METHYL PHENYLACETATE 98%, FCC, FG	W273309	B33282	HC-22SIHH98
902. METHYL PROPIONATE	W274208	C51537	HC-22SIJZ66
903. METHYL PROPYL DISULFIDE 95%, FG	W320102	B41988	HC-22SICQ51

Muhammet Musin Chandy Muhammad Munir Chaudry, Ph.D. President

This certificate is valid until **July 31, 2023** and subject to renewal at that time.



Page 78 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
904. METHYL P-TERT-BUTYLPHENYLACETATE 95%, FG	W269018	A73995	HC-22SIZT67
905. METHYL SALICYLATE 98%, FCC, FG	W274518	B76694	HC-22SIBB03
906. METHYL SALICYLATE, NATURAL, 98%, FCC, FG	W274502	A64498	HC-22SI9D95
907. METHYL STEARATE	W504807	C47744	HC-22SIJJ89
908. METHYL SULFOXIDE, 99%, FG	W387520	A62198	HC-22SIUL79
909. METHYL THIOBUTYRATE 97%, FG	W331007	B28503	HC-22SI5M71
910. METHYL THIOBUTYRATE, NATURAL, =98%, FG	W331015	A65439	HC-22SI5C07
911. METHYL TRANS-2-NONENOATE 97%, FG	W272507	A32711	HC-22SIZZ92
912. METHYL TRANS-2-OCTENOATE 96%	W371203	(R) A17449	HC-22SIK485
913. METHYL TRANS-3-HEXENOATE	W336408	C35045	HC-22SIF588
914. METHYL TRANS-CINNAMATE 98%, FCC, FG	W269808	A36718	HC-22SIXY16
915. Methyl Valerate	W275204	C41915	HC-22SIDJ65

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









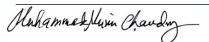
Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
916. METHYL VANILLATE 98%, FG	W510319	A98908	HC-22SI4J34
917. MUSK KETONE	W522902	C49393	HC-22SIVF45
918. MYRCENE 90%, FCC, FG	W276200	A52411	HC-22SIDX12
919. MYRISTIC ACID 95%, FCC, FG	W276405	A16221	HC-22SILV73
920. MYRISTIC ACID NATURAL	W276413	B56499	HC-22SIGA59
921. N-Amyl Octanoate	W207918	C32917	HC-22SIWR18
922. NEOHESPERIDIN DIHYDROCHALCONE 96%	W381101	B39393	HC-22SICN39
923. NEROLI OIL, MOROCCO FG	W277126	B12282	HC-22SI1T53
924. NERYL ACETATE 98%, FCC, FG	W277304	R) A82414	HC-22SI4H28
925. NERYL ACETATE, NATURAL	W277315	C44267	HC-22SIQL18
926. Neryl Isobutyrate	W277509	C41916	HC-22SI5O22



Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
927. N-ETHYL-2-ISOPROPYL-5- METHYLCYCLOHEXANECARBOXAMIDE 99%, FG	W345501	A65273	HC-22SI5E05
928. NONANAL 95%, FCC	W278203	A13202	HC-22SI7I55
929. Nonanal Natural	W278220	C29016	HC-22SIK788
930. NONANOIC ACID 96%, FG	W278408	B15203	HC-22SIZU76
931. NONANOIC ACID, NATURAL	W278430	C10276	HC-22SIFD21
932. NONYL ALCOHOL 98%, FCC	W278904	A60803	HC-22SIBX65
933. NOOTKATONE	W316620	B92009	HC-22SI1U86
934. NOOTKATONE	W326620	B95988	HC-22SI2Y50
935. N-PROPYL ISOVALERATE, NATURAL (US)	W296000	C54817	HC-22SIJY30
936. O-ANISALDEHYDE	W407701	C39753	HC-22SI3F62
937. O-CRESOL	W348007	C51541	HC-22SIYG32



President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
938. OCTANAL 95%, FCC, FG	W279706	A78484	HC-22SI7Y09
939. OCTANAL, NATURAL	W279714	C36286	HC-22SIEO86
940. OCTANOIC ACID 98%, FG	W279900	B46182	HC-22SI8885
941. OCTYL 2-METHYLBUTYRATE	W360406	B92010	HC-22SI4P37
942. OCTYL ACETATE 98%, FCC, FG	W280607	B13205	HC-22SI1760
943. OCTYL BUTYRATE 98%, FG	W280704	B76535	HC-22SIA699
944. OCTYL FORMATE	W280909	B92005	HC-22SIKC18
945. OLEIC ACID NATURAL, FCC	W281506	B18681	HC-22SIXU96
946. OLIVE OIL, EXTRA VIRGIN, CERTIFIED ORGANIC (NOP)	W530191	A96823	HC-22SITO23
947. OMEGA-PENTADECALACTONE 98%, FG	W284009	B52867	HC-22SIIT35
948. O-METHOXYCINNAMALDEHYDE 96%, FG	W318108	B21566	HC-22SI9O23
949. OPOPONAX OIL NATURAL	W522600	B64342	HC-22SIOE14

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
950	. ORANGE OIL NATURAL, COLD-COMPRESSED, CALIFORNIA ORIGIN	W282510	A57649	HC-22SIX944
951	. ORANGE OIL, SWEET, CERTIFIED ORGANIC (NOP)	W282401	B75132	HC-22SICG90
952	. ORANGE TERPENES	W522708	C29831	HC-22SI6J03
953	. ORIGANUM OIL FCC	W282812	A27427	HC-22SI7X46
954	. ORRIS CONCRETE	W282928	A29917	HC-22SI5370
955	. O-TOLUENETHIOL 97%, FG	W324000	B78093	HC-22SI9A14
956	. P,ALPHA,ALPHA-TRIMETHYLBENZYL ALCOHOL 95%, FG	W324205	A82307	HC-22SI5T26
957	. P,ALPHA-DIMETHYLSTYRENE 98%	W314404	A68054	HC-22SIQZ23
958	. PALM FRUIT OIL, CERTIFIED ORGANIC (NOP)	W530216	A30259	HC-22SI4572
959	. PALMITIC ACID 95%, FCC, FG	W283207	A20954	HC-22SIAP10
960	. PALMITIC ACID, NATURAL	W283215	C20190	HC-22SIBQ83

Muhammet Huin Chardy

Muhammad Munir Chaudry, Ph.D. President



This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 83 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
961. P-ANISALDEHYDE 97.5%, FCC		W267007	A53714	HC-22SIDO18
962. P-ANISALDEHYDE, NATURAL		W267020	C20188	HC-22SI2136
963. P-ANISIC ACID, NATURAL		W394512	C36292	HC-22SI2902
964. PATCHOULI OIL, CERTIFIED ORGANIC (NOP)		W283823	B87080	HC-22SIIU80
965. p-Cresol		W233706	B88302	HC-22SIBS45
966. P-CYMENE 97%, FG		W235601	C87820	HC-22SITW42
967. PEPPERMINT OIL NATURAL, FCC, FG		W284815	B31800	HC-22SIFR87
968. PEPPERMINT OIL PURIFIED BY RECTIFICATION, FC	C, FG	W284807	B44455	HC-22SI9J74
969. PEPPERMINT OIL, CERTIFIED ORGANIC (NOP)		W284843	B18577	HC-22SIXY94
970. PETITGRAIN OIL, PARAGUAY, CERTIFIED ORGANIC	C (NOP)	W530183	A74869	HC-22SIYU72
971. PHENETHYL 2-METHYLBUTYRATE 95%, FCC, FG		W363200	A35700	HC-22SI1K12
972. PHENETHYL ACETATE 98%, FCC, FG		W285706	B49519	HC-22SIVD11

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President



This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 84 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
973. PHENETHYL ACETATE NATURAL, 98%, FCC	W285714	A74845	HC-22SIYN71
974. PHENETHYL ALCOHOL 99%, FCC, FG	W285803	B82353	HC-22SI6Z38
975. PHENETHYL ALCOHOL NATURAL, 99%, FCC, FG	W285811	B21142	HC-22SI8520
976. PHENETHYL HEXANOATE 97%, FG	W322105	A65541	HC-22SI5M08
977. PHENETHYL HEXANOATE NATURAL (US)	W322120	D12703	HC-22SI5G47
978. PHENETHYL ISOVALERATE 98%, FCC, FG	W287105	B82692	HC-22SI6742
979. PHENETHYL OCTANOATE 99%	W322202	B66757	HC-22SIVV30
980. PHENETHYL PHENYLACETATE 98%, FCC, FG	W286605	A28093	HC-22SI3F54
981. PHENETHYL PROPIONATE 98%, FG	W286702	B76292	HC-22SIAY98
982. Phenethyl Tiglate	W287008	C41918	HC-22SI3U58
983. PHENOL 99%	W322318	A45866	HC-22SIVS71
984. PHENOL, NATURAL	W322340	C20192	HC-22SIJ901

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
985. PHENYL DISULFIDE, 98%	W322504	A60625	HC-22SIBJ63
986. PHENYLACETALDEHYDE 95%, FCC, FG	W287407	A67842	HC-22SIQD21
987. PHENYLACETALDEHYDE DIMETHYL ACETAL 98%, FC	C W287601	A60025	HC-22SIVA57
988. PHENYLACETIC ACID 99%, FCC, FG	W287806	A73354	HC-22SI3W61
989. PHENYLACETIC ACID, NATURAL	W287800	C20191	HC-22SIFQ21
990. PHENYLETHYL MERCAPTAN	W389404	C14547	HC-22SIAA95
991. PHOSPHORIC ACID SOLUTION 85 WT. % IN H2O	W290017	A42153	HC-22SIIQ55
992. PIMENTA LEAF OIL, NATURAL	W290106	C54816	HC-22SI4682
993. PIPERIDINE 99%, FCC	W290807	A90942	HC-22SI1D78
994. PIPERIDINE, =99%, FG	W290820	B48191	HC-22SI8U98
995. PIPERINE 97%, FG	W290904	A89045	HC-22SI9466
996. PIPERONAL 99%, FCC, FG	W291102	B33292	HC-22SIGW99

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
997. PIPERONAL, NATURAL	W291113	C41919	HC-22SIZG33
998. PIPERONYL ISOBUTYRATE 98%, FG	W291307	B38924	HC-22SIE435
999. P-MENTHA-8-THIOL-3-ONE MIXTURE OF CIS AND TRANS, 95%, FG	W317705	B69971	HC-22SIE153
1000. P-MENTHA-8-THIOL-3-ONE MIXTURE OF CIS AND TRANS, NATURAL, 95%, FG	W317713	B82648	HC-22816941
1001. POLYSORBATE 80 FG	W291706	A26587	HC-22SI7P39
1002. POTASSIUM ACETATE	W292001	C44269	HC-22SIED28
1003. P-PROPYL ANISOLE 99%, FCC, FG	W293008	A67008	HC-22SI4Q14
1004. PRENYL ACETATE 98%	W420201	B68448	HC-22SI5M40
1005. PROPANAL, 98%, NATURAL, FG	W292312	A14824	HC-22SIBK65
1006. PROPANIONALDEHYDE, =97%, FG	W292303	B48910	HC-22SI6E05
1007. PROPENYL GUAETHOL 99%, FCC	W292206	B84351	HC-22SI4N56

Mahammak Musin Chavday

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

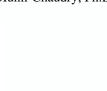
Company Name & Address: Sigma-Aldrich Corporation 6000 N. Teutonia Avenue Milwaukee, Wisconsin 53209 USA

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

Product Name	Product Code	Halal-ID	Product Certificate #
1008. PROPIONIC ACID 99.5%, FCC, FG	W292400	A17335	HC-22SIJ281
1009. PROPIONIC ACID NATURAL, 99%, FG	W292419	B73159	HC-22SIER74
1010. PROPYL ACETATE 98%, FG	W292508	B17630	HC-22SIXP87
1011. PROPYL ACETATE NATURAL, 97%, FCC, FG	W292516	A80349	HC-22SI5N16
1012. PROPYL BUTYRATE 98%	W293407	B74777	HC-22SICZ87
1013. PROPYL BUTYRATE NATURAL, 95%	W293415	A60234	HC-22SICH58
1014. PROPYL DISULFIDE 97%, FG	W322806	B32331	HC-22SIFO90
1015. PROPYL FORMATE 97%	W294306	A41360	HC-22SIUP46
1016. PROPYL GALLATE 98%, FCC	W294705	R) A36757	HC-22SIX617
1017. PROPYL HEXANOATE NATURAL, 95%, FG	W294926	B13978	HC-22SI1665
1018. PROPYL LEVULINATE	W448001	C29021	HC-22SI2Q01
1019. PROPYL MERCAPTAN 98%	W352101	A89164	HC-22SI9Z68

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
1020. PROPYL PROPIONATE	W295809	C37186	HC-22SIRU62
1021. PROPYL PROPIONATE NATURAL (US), 98%, FCC, FG	W295817	A78357	HC-22SI7E07
1022. PROPYLENE GLYCOL 99.5%, FCC, FG	W294004	A44558	HC-22SIGX63
1023. P-TOLUALDEHYDE 97%, FG	W306800	B13587	HC-22SI1K63
1024. PYRAZINEETHANETHIOL 97%, FG	W323004	B60454	HC-22SID181
1025. PYRIDINE 99%	W296600	B23721	HC-22SI7R38
1026. PYRROLIDINE	W352316	C35040	HC-22SIEK29
1027. PYRUVALDEHYDE SOLUTION 40 WT. % IN H2O	W296902	B65459	HC-22SIL923
1028. PYRUVIC ACID NATURAL, 80%	W297070	R A69115	HC-22SIOH34
1029. QUININE MONOHYDROCHLORIDE DIHYDRATE 90%	W297607	B73411	HC-22SIEC76
1030. QUINOLINE	W347000	C36289	HC-22SIUO71
1031. RAPESEED OIL, NATURAL	W834500	C29846	HC-22SIC660

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
1032. RESORCINOL =98%	W358908	C14952	HC-22SIUY80
1033. RHODINOL MIXTURE OF L-CITRONELLOL AND GERANIOL, FCC	W298018	B27677	HC-22SI4B66
1034. ROSEMARY OIL FCC	W299200	B47184	HC-22SI8X95
1035. ROSEMARY OIL, CERTIFIED ORGANIC (NOP)	W299225	B46336	HC-22SI8M88
1036. SABINENE, NATURAL, 75%	W530597	A70062	HC-22SI2441
1037. SAFRANAL 88%	W338907	B67095	HC-22SIV232
1038. SAGE OIL, CERTIFIED ORGANIC (NOP)	W300100	A62859	HC-22SIV385
1039. SALICYLALDEHYDE 98%, FG	W300403	B24238	HC-22SI8Y42
1040. SALICYLIC ACID 99%, FG	W398500	A30819	HC-22SI4379
1041. SANDALWOOD OIL NATURAL	W300500	B59452	HC-22SICA74
1042. SASSAFRAS OIL	W510483	B58125	HC-22SIR568

Mahammet Musin Chardy

Muhammad Munir Chaudry, Ph.D. President



This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 90 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
1043. SCLAREOL NATURAL	W450210	D23347	HC-22SI8H46
1044. S-METHYL THIOACETATE, NATURAL, 96%, FG	W387619	A14909	HC-22SIBY66
1045. SODIUM ALGINATE	W201502	C36273	HC-22SI7249
1046. SODIUM BENZOATE 99%, FCC, FG	W302503	B38553	HC-22SIEX31
1047. SODIUM CITRATE DIHYDRATE 99%, FG	W302600	B16352	HC-22SIXJ83
1048. SODIUM PROPIONATE	W518905	C42601	HC-22SI6D21
1049. SOYBEAN OIL, CERTIFIED ORGANIC	W530261	C35038	HC-22SIB569
1050. SPEARMINT OIL RECTIFIED, FCC, FG	W303208	A76418	HC-22SI7D83
1051. SPEARMINT OIL, CERTIFIED ORGANIC (NOP)	W303237	B73405	HC-22SID875
1052. STEARIC ACID 95%, FCC, FG	W303518	A71722	HC-22SI4350
1053. STYRAX	W303704	A77797	HC-22SI6L97
1054. SUCCINIC ACID FCC	W502707	B27956	HC-22SI5M68

Mahammetellusin Chavday

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
1055. SUCCINIC ACID NATURAL	W471912	D23351	HC-22SIY634
1056. SUCCINIC ACID, >99%, FCC, FG	W471920	B70083	HC-22SIFZ55
1057. SUCROSE OCTAACETATE 97%, FG	W303801	B19162	HC-22SIWC01
1058. TANNIC ACID	W304204	C37187	HC-22SICS14
1059. TAURINE 98%, FG	W381306	B49168	HC-22SID807
1060. TEA TREE OIL	W390208	A14368	HC-22SICN63
1061. TEA TREE OIL, CERTIFIED ORGANIC (NOP)	W390215	B70787	HC-22SIFW59
1062. TERPINOLENE 90%	W304603	A32150	HC-22SIZU89
1063. TERPINYL ACETATE 95% (MIXTURE OF ISOMERS)	W304700	A69868	HC-22SI2F39
1064. TERPINYL FORMATE, MIXTURE OF ISOMERS 97%	W305200	A40301	HC-22SIYX40
1065. TETRAHYDRO-4-METHYL-2-(2-METHYL-1-PROPENYL)-2H- PYRAN MIXTURE OF CIS AND TRANS, 98%, FG	W323608	A69454	HC-22SI2T37

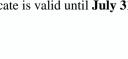


Muhammad Munir Chaudry, Ph.D. President



This certificate is valid until July 31, 2023 and subject to renewal at that time.





Page 92 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
1066. TETRAHYDROFURFURYL ACETATE 97%, FG	W305502	B10410	HC-22SI3C43
1067. THEASPIRANE MIXTURE OF CIS AND TRANS, 85%	W377406	B64040	HC-22SIQD11
1068. THIAMINE HYDROCHLORIDE 98%, FCC, FG	W332208	A39965	HC-22SIYR36
1069. THIAZOLE 99%	W361518	A28538	HC-22SI4757
1070. THYME OIL RED	W306401	A27108	HC-22SI7G41
1071. THYME OIL WHITE, FCC	W306509	B82988	HC-22SI7146
1072. THYME OIL, WHITE, CERTIFIED ORGANIC (NOP)	W306540	A65315	HC-22SI5406
1073. THYMOL 99%, FCC	W306606	B10523	HC-22SI3G45
1074. TOLU BALSAM	W306908	R A47231	HC-22SIFE85
1075. TRANS, TRANS-2, 4-DECADIENAL 89%, FG	W313505	B53307	HC-22SIHK37
1076. TRANS, TRANS-2, 4-DECADIENAL, NATURAL, 89%	W313520	B11855	HC-22SI1951
1077. TRANS, TRANS-2, 4-HEPTANDIENAL 88%	W316407	A79788	HC-22SI5214

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
1078. TRANS,TRANS-2,4-UNDECADIENAL, FG	W342203	A77764	HC-22SI6396
1079. TRANS, TRANS-2, 6-NONADIENAL 95%, FG	W376604	A27947	HC-22SI7J53
1080. TRANS-2, CIS-6-NONADIEN-1-OL 95%, FCC, FG	W278009	B54480	HC-22SIVF48
1081. TRANS-2, CIS-6-NONADIENAL MIXTURE OF ISOMERS, 96%, FCC, FG	W337706	A60309	HC-22SICY59
1082. TRANS-2-DECENAL	W236608	C29151	HC-22SI5453
1083. TRANS-2-DODECENAL	W240206	B92006	HC-22SIDI23
1084. TRANS-2-HEPTENAL 95%, FG	W316504	A35650	HC-22SI1B11
1085. TRANS-2-HEXEN-1-AL 95%, FCC, FG	W256005	A28761	HC-22SI3C60
1086. TRANS-2-HEXEN-1-AL NATURAL, 95%, FG	W256110	B26841	HC-22SI4G61
1087. TRANS-2-HEXEN-1-AL, NATURAL	W256009	C14546	HC-22SIUZ73
1088. TRANS-2-HEXEN-1-OL 95%, FCC, FG	W256218	A84722	HC-22SIVP43

Muhammet Huin Chardy

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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-22SI8W01
1090. TRANS-2-HEXENOIC ACID 98%, FG	W316903	B39414	HC-22SICN40
1091. TRANS-2-HEXENYL ACETATE 98%, FCC, FG	W256404	A73491	HC-22SI3662
1092. TRANS-2-HEXENYL BUTYRATE 96%	W392618	A33093	HC-22SIZD94
1093. TRANS-2-METHYL-2-BUTENAL SUM OF ISOMERS, 99%, FG	W340707	B55895	HC-22SIGR54
1094. TRANS-2-METHYL-2-BUTENOIC ACID 98%, FG	W359904	A46208	HC-22SIHM73
1095. TRANS-2-METHYL-2-PENTENOIC ACID 98%, FCC, FG	W319503	B33642	HC-22SI2204
1096. TRANS-2-NONEN-1-OL 96%, FCC	W337900	A36868	HC-22SIKJ19
1097. TRANS-2-NONENAL 95%, FG	W321303	A92541	HC-22SIWH92
1098. TRANS-2-OCTENAL 95%, STABILIZED, FG	W321508	B82989	HC-22SI7F47
1099. TRANS-2-PENTENAL 95%, FG	W321818	B52132	HC-22SIHR33
1100. TRANS-2-TRIDECENAL 95%, FCC, FG	W308218	B12729	HC-22SIZH55

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
1101. TRANS-2-UNDECENAL 95%, FG	W342300	B83891	HC-22SI5B54
1102. Trans-3-Hexen-1-ol	W435600	C29019	HC-22SI4H48
1103. TRANS-3-HEXENOIC ACID 98%, FG	W317004	A48487	HC-22SIRO90
1104. TRANS-3-OCTEN-2-ONE 98%	W341606	B14903	HC-22SIYQ73
1105. TRANS-ANETHOLE	W208604	C54811	HC-22SI1107
1106. TRANS-CINNAMALDEHYDE 98%, FCC, FG	W228605	B63289	HC-22SIN903
1107. TRANS-CINNAMIC ACID 99%, FG	W228818	B65241	HC-22SIL422
1108. TRANS-CINNAMIC ACID NATURAL, 99%, FCC, FG	W228826	B83720	HC-22SI7151
1109. TRANS-CINNAMYL BUTYRATE 96%, FCC	W229601	R) B69260	HC-22SIEU47
1110. TRANS-CINNAMYL PROPIONATE	W230103	C56639	HC-22SI5313
1111. Triacetin	W200712	A70433	HC-22SI2B42
1112. TRIACETIN 99%, FCC, FG	W200700	B13270	HC-22SI1Q61

Muhammet Musin Chandy

Muhammad Munir Chaudry, Ph.D. President



This certificate is valid until July 31, 2023 and subject to renewal at that time.



Page 96 of 99



Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
1113. TRIBUTYRIN 97%, FG	W222305	B70732	HC-22SIFY58
1114. Tridecanal	W433500	C41925	HC-22SIYL78
1115. TRIETHYL CITRATE 99%, FCC	W308307	A65862	HC-22SI4P10
1116. TRIETHYL CITRATE, NATURAL, 99%	W308302	A37127	HC-22SIK521
1117. TRIMETHYLAMINE SOLUTION 25 WT. % IN H2O, FG	W324125	C87828	HC-22SIVV48
1118. TRIPROPIONIN 97.1%, FCC, FG	W328618	A41552	HC-22SIUV50
1119. TRITHIOACETONE 99%, FG	W347507	A31678	HC-22SI1Z83
1120. UNDECANAL FCC, 96%	W309206	A16787	HC-22SIJH79
1121. UNDECYL ALCOHOL 97%, FG	W309702	A70726	HC-22SI2O45
1122. UNDECYLENIC ACID 95%, FG	W324701	B35186	HC-22SIES14
1123. UNDECYLENIC ACID, 95%, FG	W324721	A12864	HC-22SI7M52
1124. UNDECYLENIC ACID, NATURAL	W324720	C20193	HC-22SI4T49

Mahammetellusin Chavday

Muhammad Munir Chaudry, Ph.D. President









Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
1125. VALENCENE NATURAL, 65%	W344303	B19306	HC-22SIV904
1126. VALERALDEHYDE 97%, FG	W309818	A91351	HC-22SIZH81
1127. VALERIC ACID 99%, FCC	W310107	B82881	HC-22SI6445
1128. VALERIC ACID NATURAL	W310162	D12700	HC-22SI8448
1129. VANILLIC ACID 97%, FG	W398802	A36895	HC-22SIK820
1130. VANILLIN 97%, FCC, FG	W310700	A90960	HC-22SI1M79
1131. VANILLIN ACETATE 98%, FG	W310808	A52089	HC-22SIDB10
1132. VANILLIN ISOBUTYRATE 98%, FG	W375403	B30059	HC-22SI3B82
1133. VANILLIN NATURAL, 97%, FCC, FG	W310727	B80637	HC-22SI7326
1134. VANILLYL BUTYL ETHER	W379620	C39752	HC-22SIRC10
1135. VANILLYL BUTYL ETHER, NATURAL	W379601	C36291	HC-22SIFR82
1136. VANILLYL ETHYL ETHER NATURAL (US)	W381512	D23340	HC-22SII460

Mahammetellusin Chavday

Muhammad Munir Chaudry, Ph.D. President







Date: June 20, 2022

Document #: 4739.15720.II220009

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 #
1137. VANILLYLACETONE 96%, FG	W312401	A39925	HC-22SIYP35
1138. VANILLYLACETONE NATURAL (US)	W312420	D12701	HC-22SI8530
1139. VERATRALDEHYDE 98%, FG	W310905	B77979	HC-22SI9I12
1140. YLANG-YLANG OIL EXTRA, FG	W311936	A67595	HC-22SIQS19
1141. YLANG-YLANG OIL, EXTRA, CERTIFIED ORGANIC (NOP)	W311942	B27002	HC-22SI4A63

