



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

נס"ד

UNION OF ORTHODOX JEWISH CONGREGATIONS OF AMERICA איחוד קהילות האורתודוקסים באמריקה
 ELEVEN BROADWAY / NEW YORK, NY 10004 / 212-613-8241 / KOSHERLETTER@OU.ORG / OUKOSHER.ORG

November 19, 2018

This is to certify that the following product(s) prepared by

Advanced Biotech Inc., 10 Taft Road, Totowa, NJ 07512

at the following facility(ies) are under the supervision of the Kashruth Division of the Orthodox Union and are kosher as indicated below.

Advanced Biotech Inc., 10 Taft Road, Totowa, NJ

Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech			
• 1001 Iso Butyraldehyde Natural	OUV3-U0HCGIB	Pareve	Ⓢ Symbol required.
• 1002 Dimethyl Sulfide Natural	OUV3-8DKRPUD	Pareve	Ⓢ Symbol required.
• 1003 Dimethyl Sulfide 5% Natural	OUV3-F7MCCSH	Pareve	Ⓢ Symbol required.
• 1004 Dimethyl Sulfide 5% Ethyl Acetate	OUV3-7HPL7AP	Pareve	Ⓢ Symbol required.
• 1005 Ethyl Pelargonate Natural	OUV3-FUMW6MT	Pareve	Ⓢ Symbol required.
• 1006 Ethyl Pyruvate Natural	OUV3-TRRXASZ	Pareve	Ⓢ Symbol required.
• 1007 Eugenol Natural	OUV3-TLJYQOR	Pareve	Ⓢ Symbol required.
• 1008 Gamma Undecalactone Natural	OUV3-L9CWEQK	Pareve	Ⓢ Symbol required.
• 1009 Ionone Natural	OUV3-TCHAA67	Pareve	Ⓢ Symbol required.

Use of the OU trademark must comply with the terms set forth in a written agreement with the Orthodox Union. Any other use of the OU trademark is not authorized.

Rabbi Menachem Genack, *Rabbinic Administrator, CEO*

This certification is valid through 11/30/2019

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Advanced Biotech Inc. (continued)

Advanced Biotech Inc., 10 Taft Road, Totowa, NJ

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1010 Peach Mercaptan 3% Etoh	OUV3-UKGMM9C	Pareve	Ⓢ Symbol required.
• 1012 Alpha Ionone Natural	OUV3-GPCOGIN	Pareve	Ⓢ Symbol required.
• 1013 Beta Ionone Natural	OUV3-H0LTX0C	Pareve	Ⓢ Symbol required.
• 1015 Trans 2 Nonenal 1% Etoh Nat	OUV3-GVMBZIN	Pareve	Ⓢ Symbol required.
• 1016 Trans 2 Nonenal 1% Triacetin N	OUV3-CNL6TS6	Pareve	Ⓢ Symbol required.
• 1017 Neryl Acetate Natural	OUV3-9NLXQKJ	Pareve	Ⓢ Symbol required.
• 1018 Delta Decalactone Eec Natural	OUV3-IXEABMP	Pareve	Ⓢ Symbol required.
• 1019 Gamma Dodecalactone Natural	OUV3-SJ2GXX8	Pareve	Ⓢ Symbol required.
• 1020 Allyl Heptoate Natural	OUV3-54B9QCL	Pareve	Ⓢ Symbol required.

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Advanced Biotech Inc. (continued)

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1021 Furfuryl Propionate Natural	OUV3-0VJ07PP	Pareve	Ⓢ Symbol required.
• 1022 Furfuryl Alcohol Natural	OUV3-40H9HCY	Pareve	Ⓢ Symbol required.
• 1023 Furfuryl Mercaptan Natural	OUV3-GTTOPWI	Pareve	Ⓢ Symbol required.
• 1024 Thio Menthone Natural	OUV3-LIKDJRL	Pareve	Ⓢ Symbol required.
• 1025 Thio Menthone 5% In Etoh Natural	OUV3-D9TICQY	Pareve	Ⓢ Symbol required.
• 1026 Thio Menthone 1% Etoh Natural	OUV3-MMT6H7I	Pareve	Ⓢ Symbol required.
• 1027 Butyl Butyryl Lactate Natural	OUV3-EUWX48A	Pareve	Ⓢ Symbol required.
• 1028 Butyl Lactate Natural	OUV3-H4NLYC7	Pareve	Ⓢ Symbol required.
• 1029 Butyl Butyrate Natural	OUV3-LNKYIXV	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1030 Iso Amyl Salicylate Natural	OUV3-T4ZJEPN	Pareve	Ⓢ Symbol required.
• 1031 Acetaldehyde 10% In Etoh Natural	OUV3-GZJTJTK	Pareve	Ⓢ Symbol required.
• 1032 Phenyl Ethyl Acetate Natural	OUV3-B15P9JY	Pareve	Ⓢ Symbol required.
• 1033 Methyl Anthranilate Natural	OUV3-3DAL17B	Pareve	Ⓢ Symbol required.
• 1034 Malto-praline Extra Natural	OUV3-36O15NP	Pareve	Ⓢ Symbol required.
• 1035 Green Key Nat	OUV3-OBDO0L	Pareve	Ⓢ Symbol required.
• 1036 Guaiacol Natural	OUV3-EXBTJYD	Pareve	Ⓢ Symbol required.
• 1037 Octyl Acetate Natural	OUV3-RMHNYI6	Pareve	Ⓢ Symbol required.
• 1038 Octyl Butyrate Natural	OUV3-SZSO7XT	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1039 Octyl Propionate Natural	OUV3-ACPCPBG	Pareve	Ⓢ Symbol required.
• 1040 Octanal Natural	OUV3-MV76S43	Pareve	Ⓢ Symbol required.
• 1041 Octanol Natural	OUV3-NLFEL9G	Pareve	Ⓢ Symbol required.
• 1043 Octanal 50% In Orange Oil Natural	OUV3-CVNIYI6	Pareve	Ⓢ Symbol required.
• 1044 Caprylic Acid Natural	OUV3-OTKR0HR	Pareve	Ⓢ Symbol required.
• 1045 Ethyl Butyrate Natural	OUV3-S1PLDOZ	Pareve	Ⓢ Symbol required.
• 1046 Vanilla Complex Natural	OUV3-MMEMH0S	Pareve	Ⓢ Symbol required.
• 1047 Ethyl Benzoate Natural	OUV3-AR0FA9C	Pareve	Ⓢ Symbol required.
• 1048 Ethyl Levulinate Natural	OUV3-JLM6UPW	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1049 Raspberry Ketone Natural	OUV3-FCFHY5C	Pareve	Ⓢ Symbol required.
• 1051 Savory Complex Natural	OUV3-ICFT1Y2	Pareve	Ⓢ Symbol required.
• 1053 Malto-praline Natural	OUV3-FVGIPPQ	Pareve	Ⓢ Symbol required.
• 1054 Malto-praline Os Natural	OUV3-AEJA5GV	Pareve	Ⓢ Symbol required.
• 1055 Peach Mercaptan 10% Etoh Natural	OUV3-IGYSK6H	Pareve	Ⓢ Symbol required.
• 1056 Peach Mercaptan Natural	OUV3-KJGBGIA	Pareve	Ⓢ Symbol required.
• 1057 Acetaldehyde 50% In Orange Oil Natural	OUV3-OOY0LAL	Pareve	Ⓢ Symbol required.
• 1058 Strawberry Furanone Natural	OUV3-UPKW5CI	Pareve	Ⓢ Symbol required.
• 1059 Allyl Caproate Natural	OUV3-X84HLCS	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1060 Heptanoic Acid Natural	OUV3-A7D2MM5	Pareve	Ⓢ Symbol required.
• 1061 Ethyl Oleate Natural	OUV3-YTCJNLO	Pareve	Ⓢ Symbol required.
• 1062 Anethole Natural	OUV3-CJKIDSR	Pareve	Ⓢ Symbol required.
• 1063 Alpha Terpineol Natural	OUV3-O93CBTX	Pareve	Ⓢ Symbol required.
• 1064 Benzyl Butyrate Natural	OUV3-OMNAMFS	Pareve	Ⓢ Symbol required.
• 1065 Iso Amyl Caproate Natural	OUV3-UEK59OL	Pareve	Ⓢ Symbol required.
• 1066 Benzyl Benzoate Natural	OUV3-AI1G1TM	Pareve	Ⓢ Symbol required.
• 1067 Coffeetone Natural	OUV3-VMSJM7W	Pareve	Ⓢ Symbol required.
• 1068 2 Heptanone Natural	OUV3-KG6ACBH	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1069 Coffeetone 2000 Natural	OUV3-WLWEC94	Pareve	Ⓢ Symbol required.
• 1070 Pyruvic Acid Natural	OUV3-CXWITNF	Pareve	Ⓢ Symbol required.
• 1071 Anisyl Acetone Natural	OUV3-7BEO6TZ	Pareve	Ⓢ Symbol required.
• 1072 Ethyl Myristate Natural	OUV3-I9F8GXO	Pareve	Ⓢ Symbol required.
• 1073 Butanol Natural	OUV3-OWEGKZ6	Pareve	Ⓢ Symbol required.
• 1074 Butyraldehyde Natural	OUV3-RPOHSIP	Pareve	Ⓢ Symbol required.
• 1075 Furanone 20% Pg Natural	OUV3-DYLPWXN	Pareve	Ⓢ Symbol required.
• 1076 2 Methyl Butyraldehyde Natural	OUV3-LGSW6QT	Pareve	Ⓢ Symbol required.
• 1077 Furanone 15% Pg Natural	OUV3-NRQBPOQ	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1078 Isojasmone Natural	OUV3-E0FMJCP	Pareve	Ⓢ Symbol required.
• 1080 Benzyl Formate Natural	OUV3-LZKFXGQ	Pareve	Ⓢ Symbol required.
• 1081 Dairy Complex Natural	OUV3-B0NCAJ5	Pareve	Ⓢ Symbol required.
• 1082 Ethyl Propionate Natural	OUV3-QOWKNEQ	Pareve	Ⓢ Symbol required.
• 1083 Decanal Natural 50% Etoh	OUV3-TO2NTYS	Pareve	Ⓢ Symbol required.
• 1084 Isoamyl Propionate Natural	OUV3-JRSEDS0	Pareve	Ⓢ Symbol required.
• 1085 Oleic Acid Natural	OUV3-RNMLL49	Pareve	Ⓢ Symbol required.
• 1086 Vanillin Ex Vanilla Bean Natural	OUV3-JJNTH6	Pareve	Ⓢ Symbol required.
• 1087 Methyl Ketones Mix (blue Cheese Type) Natural	OUV3-9B6YFFS	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1088 Butyric Acid Natural	OUV3-GLSFR4K	Pareve	Ⓢ Symbol required.
• 1089 2 Methyl Butyric Acid Eec Natural	OUV3-GFB8FHD	Pareve	Ⓢ Symbol required.
• 1090 4 Ethyl Guaiacol Natural	OUV3-YUJX5SK	Pareve	Ⓢ Symbol required.
• 1091 Ethyl Oenanthate Natural	OUV3-T6WFTZX	Pareve	Ⓢ Symbol required.
• 1092 Trans 2 Hexenyl Acetate Natural	OUV3-TD8G0OF	Pareve	Ⓢ Symbol required.
• 1093 Ethyl Isovalerate Natural	OUV3-CF7KJBB	Pareve	Ⓢ Symbol required.
• 1094 Maltol Natural	OUV3-BDNITBL	Pareve	Ⓢ Symbol required.
• 1095 Ethyl Laurate Natural	OUV3-X8T8LK3	Pareve	Ⓢ Symbol required.
• 1096 Ethyl Palmitate Natural	OUV3-FKYWLYW	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1097 Hexyl Alcohol Natural	OUV3-ZNP0H2P	Pareve	Ⓢ Symbol required.
• 1098 Hexanal Natural	OUV3-9PKWYQK	Pareve	Ⓢ Symbol required.
• 1099 Dimethyl Anthranilate Natural	OUV3-IIRBQV7	Pareve	Ⓢ Symbol required.
• 1100 Cis 3 Hexenyl Acetate Natural	OUV3-I0OVO2L	Pareve	Ⓢ Symbol required.
• 1101 Cis 3 Hexenyl Butyrate Natural	OUV3-1DMVXRQ	Pareve	Ⓢ Symbol required.
• 1102 Cis 3 Hexenyl 2 Methyl Butyrate Natural	OUV3-R0SGU7G	Pareve	Ⓢ Symbol required.
• 1103 Cis 3 Hexenyl Propionate Natural	OUV3-CBJCOSH	Pareve	Ⓢ Symbol required.
• 1104 Cis 3 Hexenyl Caproate Natural	OUV3-PR2JP7S	Pareve	Ⓢ Symbol required.
• 1105 Cis 3 Hexenyl Isovalerate Natural	OUV3-EBM3GSE	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1106 Undecenal Natural	OUV3-D0RD6IQ	Pareve	Ⓢ Symbol required.
• 1107 Cis 3 Hexenyl Lactate Natural	OUV3-U7B3FIA	Pareve	Ⓢ Symbol required.
• 1108 Cis 3 Hexenyl Salicylate Natural	OUV3-AGQ2USX	Pareve	Ⓢ Symbol required.
• 1109 CITRONELLYL ACETATE CHIRAL NATURAL	OUV3-G4W5TGQ	Pareve	Ⓢ Symbol required.
• 1109 Citronellyl Acetate Natural	OUV3-EPCP0MS	Pareve	Ⓢ Symbol required.
• 1110 Citronellal Natural	OUV3-UXSMLJ8	Pareve	Ⓢ Symbol required.
• 1111 CITRONELLYL BUTYRATE CHIRAL NATURAL	OUV3-FOECUEJ	Pareve	Ⓢ Symbol required.
• 1111 Citronellyl Butyrate Natural	OUV3-LNGU1KL	Pareve	Ⓢ Symbol required.
• 1113 Undecylenic Acid Natural	OUV3-M62QJHA	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1114 Delta Dodecalactone Eec Natural	OUV3-M32MOHI	Pareve	Ⓢ Symbol required.
• 1115 Hexyl Acetate Natural	OUV3-0IT1K3K	Pareve	Ⓢ Symbol required.
• 1116 Ethyl 2 Methyl Butyrate Eec Natural	OUV3-1XQECXG	Pareve	Ⓢ Symbol required.
• 1117 Cis 3 Hexenol Natural	OUV3-GVNT3CW	Pareve	Ⓢ Symbol required.
• 1118 Cis 3 Hexenol 92-95% Natural	OUV3-JKRC SYA	Pareve	Ⓢ Symbol required.
• 1119 Benzaldehyde Natural (dea)	OUV3-RP1BHNZ	Pareve	Ⓢ Symbol required.
• 1120 Anisic Aldehyde Natural	OUV3-XJHBJAV	Pareve	Ⓢ Symbol required.
• 1121 Isovaleric Acid Natural	OUV3-0NYHE0D	Pareve	Ⓢ Symbol required.
• 1122 Iso Butyl Propionate Natural	OUV3-8WZ8MK5	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1123 2 4 Decadienal Natural	OUV3-G8AEHA3	Pareve	Ⓢ Symbol required.
• 1124 Gamma Decalactone Eec Natural	OUV3-WU54PTK	Pareve	Ⓢ Symbol required.
• 1125 Hexyl Butyrate Natural	OUV3-GQRZ9SE	Pareve	Ⓢ Symbol required.
• 1126 Acetic Acid Natural	OUV3-2PGJ074	Pareve	Ⓢ Symbol required.
• 1127 Isoamyl Isovalerate Natural	OUV3-YVL180B	Pareve	Ⓢ Symbol required.
• 1128 Isoamyl Isobutyrate Natural	OUV3-WILIIGB	Pareve	Ⓢ Symbol required.
• 1129 Geranyl Acetate Natural	OUV3-BE4CSGE	Pareve	Ⓢ Symbol required.
• 1130 Geranyl Formate Natural	OUV3-WRUARGB	Pareve	Ⓢ Symbol required.
• 1131 Geraniol Natural	OUV3-SUN9LEJ	Pareve	Ⓢ Symbol required.

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Rabbi Menachem Genack, *Rabbinic Administrator, CEO*

This certification is valid through 11/30/2019



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

נס"ד

UNION OF ORTHODOX JEWISH CONGREGATIONS OF AMERICA איחוד קהילות האורתודוקסים באמריקה
 ELEVEN BROADWAY / NEW YORK, NY 10004 / 212-613-8241 / KOSHERLETTER@OU.ORG / OUKOSHER.ORG

November 19, 2018

Advanced Biotech Inc. (continued)

Advanced Biotech Inc., 10 Taft Road, Totowa, NJ

This is to certify that the following product(s) prepared by this company at the facilitie(s) listed above are under the supervision of the Kashruth Division of the Orthodox Union and are kosher as indicated below.

Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1132 Geranyl Butyrate Natural	OUV3-ZG365HF	Pareve	Ⓢ Symbol required.
• 1133 Geranyl Propionate Natural	OUV3-PAQ7NXK	Pareve	Ⓢ Symbol required.
• 1134 Iso Amyl Butyrate Natural	OUV3-83UHWGP	Pareve	Ⓢ Symbol required.
• 1135 Hexyl Caproate Natural	OUV3-8RO8T8W	Pareve	Ⓢ Symbol required.
• 1136 Propionic Acid Natural	OUV3-ST6K0BV	Pareve	Ⓢ Symbol required.
• 1137 Furanone 12% In Etoh Natural	OUV3-8PW54JZ	Pareve	Ⓢ Symbol required.
• 1138 Furanone 15% In Etoh Natural	OUV3-XCRXHEB	Pareve	Ⓢ Symbol required.
• 1139 Fermentone Natural	OUV3-C9BBJ3X	Pareve	Ⓢ Symbol required.
• 1140 Furanone 20% In Etoh Natural	OUV3-KIQ0UQH	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1141 Quesote 10% In Pg Natural	OUV3-K0JHDVV	Pareve	Ⓢ Symbol required.
• 1142 Ethyl Caproate Natural	OUV3-VNOGXBQ	Pareve	Ⓢ Symbol required.
• 1143 Ethyl Caprate Natural	OUV3-PY03OW8	Pareve	Ⓢ Symbol required.
• 1144 Vanillin Natural	OUV3-D0VTUOT	Pareve	Ⓢ Symbol required.
• 1145 Vanillin Ex Eugenol Eec Natural	OUV3-HTMF9JN	Pareve	Ⓢ Symbol required.
• 1146 Anisyl Alcohol Natural	OUV3-5SNJ2FO	Pareve	Ⓢ Symbol required.
• 1147 Heptanal Natural	OUV3-TY1E0RX	Pareve	Ⓢ Symbol required.
• 1148 Acetaldehyde 50% In Etoh Natural	OUV3-DIJSUQ	Pareve	Ⓢ Symbol required.
• 1150 Isoamyl Acetate Natural	OUV3-SO0WU5K	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1151 Bitter Almond Oil Natural	OUV3-VVSSDP8	Pareve	Ⓢ Symbol required.
• 1152 Ethyl Isobutyrate Natural	OUV3-VIBLOEA	Pareve	Ⓢ Symbol required.
• 1153 Cinnamic Aldehyde Natural	OUV3-I5CPLYU	Pareve	Ⓢ Symbol required.
• 1154 Cinnamic Acid Natural	OUV3-RSAMROX	Pareve	Ⓢ Symbol required.
• 1155 Iso Butyl Acetate Natural	OUV3-YB3KMHF	Pareve	Ⓢ Symbol required.
• 1156 Butyl Acetate Natural	OUV3-RXLF5QQ	Pareve	Ⓢ Symbol required.
• 1157 Amyl Cinnamic Aldehyde Natural	OUV3-SLHABQ2	Pareve	Ⓢ Symbol required.
• 1158 2 Methyl Butyl Acetate Natural	OUV3-DKYVXVF	Pareve	Ⓢ Symbol required.
• 1159 Myrcene Natural	OUV3-QSBPL4V	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1160 Benzyl Acetate Natural	OUV3-0N5DRDG	Pareve	Ⓢ Symbol required.
• 1161 Benzoic Acid Natural	OUV3-02N9WAA	Pareve	Ⓢ Symbol required.
• 1162 Menthyl Acetate Natural	OUV3-AZQJJPW	Pareve	Ⓢ Symbol required.
• 1164 Massoia Lactone 95% Natural	OUV3-TDEDZQJ	Pareve	Ⓢ Symbol required.
• 1165 Acetyl Propionyl Natural	OUV3-4VXWZYJ	Pareve	Ⓢ Symbol required.
• 1166 Linalool Coeur De Bois Natural	OUV3-MESFSO7	Pareve	Ⓢ Symbol required.
• 1167 Linalool Ex Ho Natural	OUV3-YUK694F	Pareve	Ⓢ Symbol required.
• 1168 Linalyl Acetate Natural	OUV3-TFJUHG5	Pareve	Ⓢ Symbol required.
• 1169 Methyl Cinnamate Natural	OUV3-NMXIJQX	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1171 Decanal Natural	OUV3-QBKAMGX	Pareve	Ⓢ Symbol required.
• 1174 Disodium Succinate Natural	OUV3-NFHSZYR	Pareve	Ⓢ Symbol required.
• 1177 Terpineol 4 Natural	OUV3-AL22TYB	Pareve	Ⓢ Symbol required.
• 1178 Ethyl Heptanoate Natural	OUV3-O6AUJTD	Pareve	Ⓢ Symbol required.
• 1179 Ethyl Caprylate Natural	OUV3-XEQRMTQ	Pareve	Ⓢ Symbol required.
• 1180 Aldehyde C-12 Natural	OUV3-JJX7GLQ	Pareve	Ⓢ Symbol required.
• 1181 Benzyl Alcohol Natural	OUV3-IMJCTBV	Pareve	Ⓢ Symbol required.
• 1182 Ethyl Lactate Natural	OUV3-1UWLGTD	Pareve	Ⓢ Symbol required.
• 1184 Furanone 10% Etoh Natural	OUV3-OGRH91E	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1185 Isovaleraldehyde Natural	OUV3-VBNAWTP	Pareve	Ⓢ Symbol required.
• 1186 Furfural Natural	OUV3-RRV8NL2	Pareve	Ⓢ Symbol required.
• 1187 Trans 2 Hexenal Natural	OUV3-WRRV4QB	Pareve	Ⓢ Symbol required.
• 1188 Ethyl Cinnamate Natural	OUV3-BAS3SFA	Pareve	Ⓢ Symbol required.
• 1189 Isobutyric Acid Natural	OUV3-U7AB4MH	Pareve	Ⓢ Symbol required.
• 1190 Gamma Octalactone Natural	OUV3-TQQGTQ	Pareve	Ⓢ Symbol required.
• 1191 Ethyl Acetate Natural	OUV3-TL1LGYG	Pareve	Ⓢ Symbol required.
• 1192 Caproic Acid Natural	OUV3-8Q4XA4S	Pareve	Ⓢ Symbol required.
• 1193 Capric Acid Natural	OUV3-J4SE37T	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1194 Methyl Salicylate Natural	OUV3-QNW7M7P	Pareve	Ⓢ Symbol required.
• 1195 Phenyl Ethyl Alcohol Natural	OUV3-WBSRVAN	Pareve	Ⓢ Symbol required.
• 1196 Phenyl Acetic Acid Natural	OUV3-HLRFBHW	Pareve	Ⓢ Symbol required.
• 1197 Phenyl Acetaldehyde 10% In Etoh Natural	OUV3-OAQZXGL	Pareve	Ⓢ Symbol required.
• 1199 Heliotropine Natural	OUV3-UW05LCA	Pareve	Ⓢ Symbol required.
• 1200 Choclatone Natural	OUV3-EG4J7YC	Pareve	Ⓢ Symbol required.
• 1201 Choclatone 401 Natural	OUV3-VAWJXEE	Pareve	Ⓢ Symbol required.
• 1202 Iso Amyl Alcohol Natural	OUV3-WF7SZPS	Pareve	Ⓢ Symbol required.
• 1203 Ethyl Formate Natural	OUV3-H4TVLQ5	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1205 Methyl Thio Butyrate 5% Os Natural	OUV3-0QCUDU3W	Pareve	Ⓢ Symbol required.
• 1206 Rum Ether Natural	OUV3-DFIRSUB	Pareve	Ⓢ Symbol required.
• 1208 Anisyl Acetate Natural	OUV3-YWLAUXT	Pareve	Ⓢ Symbol required.
• 1209 Indole Natural 1% Etoh Natural	OUV3-ABOQWXB	Pareve	Ⓢ Symbol required.
• 1210 Isobutyl Alcohol Natural	OUV3-SWETQCH	Pareve	Ⓢ Symbol required.
• 1211 4 Methyl Guaiacol Natural	OUV3-WG9MFI8	Pareve	Ⓢ Symbol required.
• 1212 Ethyl Stearate Natural	OUV3-YXEPRKW	Pareve	Ⓢ Symbol required.
• 1213 Butyl Isovalerate Natural	OUV3-NTTFPUQ	Pareve	Ⓢ Symbol required.
• 1214 Acetaldehyde 50% In Orange Terpenes	OUV3-QQSFGB0	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1215 Geranyl Isovalerate Natural	OUV3-VVB4GEU	Pareve	Ⓢ Symbol required.
• 1216 Lauric Acid Natural	OUV3-TIEQEBK	Pareve	Ⓢ Symbol required.
• 1217 Massoia Lactone 75% Natural	OUV3-NI3WCBI	Pareve	Ⓢ Symbol required.
• 1218 Methyl Mercaptan 1% Os Natural	OUV3-BIR5EWK	Pareve	Ⓢ Symbol required.
• 1219 Myristic Acid Natural	OUV3-PYSVBW1	Pareve	Ⓢ Symbol required.
• 1221 2 Octanone Natural	OUV3-N0RLBPU	Pareve	Ⓢ Symbol required.
• 1222 Difurfuryl Disulfide Natural	OUV3-Q5R8IM5	Pareve	Ⓢ Symbol required.
• 1223 Difurfuryl Sulfide Natural	OUV3-Y8QFNP3	Pareve	Ⓢ Symbol required.
• 1224 Alpha Ionone 50% Etoh Natural	OUV3-WLWV3Q8	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1225 Acetone Natural	OUV3-MF26JHY	Pareve	Ⓢ Symbol required.
• 1226 Furanone 10% In Pg Natural	OUV3-ODAJWUW	Pareve	Ⓢ Symbol required.
• 1227 Palmitic Acid Natural	OUV3-FF9TRHD	Pareve	Ⓢ Symbol required.
• 1228 Chocotella Super #1 Natural	OUV3-YMVBHUD	Pareve	Ⓢ Symbol required.
• 1229 Propyl Alcohol Natural	OUV3-8LMGHTA	Pareve	Ⓢ Symbol required.
• 1230 Propyl Acetate Natural	OUV3-1ZXRB9D	Pareve	Ⓢ Symbol required.
• 1231 Propyl Butyrate Natural	OUV3-UPMZ7ZU	Pareve	Ⓢ Symbol required.
• 1232 Nerol Natural	OUV3-HGPOAYG	Pareve	Ⓢ Symbol required.
• 1233 Heptyl Acetate Natural	OUV3-UNWDN1O	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1234 Heptyl Butyrate Natural	OUV3-W0D3K2I	Pareve	Ⓢ Symbol required.
• 1235 Nonanal Natural	OUV3-LRMDTGP	Pareve	Ⓢ Symbol required.
• 1236 3 Octanol Natural	OUV3-P8TOLGI	Pareve	Ⓢ Symbol required.
• 1237 Fermentone Extra Natural	OUV3-SVV2KUU	Pareve	Ⓢ Symbol required.
• 1238 Trans-2-hexenol Natural	OUV3-V62IQMS	Pareve	Ⓢ Symbol required.
• 1239 Praline Natural	OUV3-Y2MLRJS	Pareve	Ⓢ Symbol required.
• 1240 Lactic Acid Natural	OUV3-IAZSHST	Pareve	Ⓢ Symbol required.
• 1241 Iso Amyl Phenyl Acetate Natural	OUV3-WA6EIWW	Pareve	Ⓢ Symbol required.
• 1242 Methanol Natural	OUV3-GX7TWJN	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1243 Neryl /geranyl Acetate Natural	OUV3-QS1IFCG	Pareve	Ⓢ Symbol required.
• 1244 Chocolate Flavor 288	OUV3-UIYSQUO	Pareve	Ⓢ Symbol required.
• 1245 Nonanal 20% In Orange Oil Natural	OUV3-BYTTU1O	Pareve	Ⓢ Symbol required.
• 1246 Carvone D Natural	OUV3-5RJU8HP	Pareve	Ⓢ Symbol required.
• 1247 Carvone L Natural	OUV3-0QLJMHQ	Pareve	Ⓢ Symbol required.
• 1248 Acetaldehyde Natural	OUV3-NI82O98	Pareve	Ⓢ Symbol required.
• 1249 Alpha Pinene Natural	OUV3-8Q0NEXB	Pareve	Ⓢ Symbol required.
• 1250 Thio Menthone 1% In Pg Natural	OUV3-DACBTWN	Pareve	Ⓢ Symbol required.
• 1251 Quesote 10% Etoh Natural	OUV3-A3LRICX	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1252 Gamma Valerolactone Natural	OUV3-OVAIW27	Pareve	Ⓢ Symbol required.
• 1254 Triethyl Citrate Natural	OUV3-VG1MEN2	Pareve	Ⓢ Symbol required.
• 1256 Ethyl Aceto Acetate Natural	OUV3-5ZUZI9A	Pareve	Ⓢ Symbol required.
• 1257 Propionaldehyde Natural	OUV3-JL4CFAD	Pareve	Ⓢ Symbol required.
• 1260 Methyl Thiobutyrate 5% Etoh Pf Natural	OUV3-BCHNL04	Pareve	Ⓢ Symbol required.
• 1261 Trans 2 Nonenal 10% Os Natural	OUV3-6NHTWXM	Pareve	Ⓢ Symbol required.
• 1263 Methyl-2-methyl Butyrate Natural	OUV3-LU93YY5	Pareve	Ⓢ Symbol required.
• 1264 Furanone 25% In Etoh Natural	OUV3-773BOGG	Pareve	Ⓢ Symbol required.
• 1265 Green Note Enhancer Natural	OUV3-AAJVIVJ	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1266 Seafood Complex	OUV3-CMKKOBP	Pareve	Ⓢ Symbol required.
• 1268 Furfuryl Mercaptan 1% Etoh Natural	OUV3-A6U6UQH	Pareve	Ⓢ Symbol required.
• 1269 3 Octyl Acetate Natural	OUV3-LPINC5Q	Pareve	Ⓢ Symbol required.
• 1272 Furanone 25% In Pg Natural	OUV3-9YOS2XF	Pareve	Ⓢ Symbol required.
• 1273 Indole Natural	OUV3-Y8BKD2V	Pareve	Ⓢ Symbol required.
• 1274 Isobutyl Isobutyrate Natural	OUV3-0FGKSSQ	Pareve	Ⓢ Symbol required.
• 1275 2 Methyl 1-butanol Natural	OUV3-PFCKU2C	Pareve	Ⓢ Symbol required.
• 1276 Beta Ionone 50% Etoh Natural	OUV3-1PRBIAF	Pareve	Ⓢ Symbol required.
• 1277 Methyl Benzoate Natural	OUV3-FOYJZPM	Pareve	Ⓢ Symbol required.

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Rabbi Menachem Genack, *Rabbinic Administrator, CEO*

This certification is valid through 11/30/2019



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

נס"ד

UNION OF ORTHODOX JEWISH CONGREGATIONS OF AMERICA איחוד קהילות האורתודוקסים באמריקה
 ELEVEN BROADWAY / NEW YORK, NY 10004 / 212-613-8241 / KOSHERLETTER@OU.ORG / OUKOSHER.ORG

November 19, 2018

Advanced Biotech Inc. (continued)

Advanced Biotech Inc., 10 Taft Road, Totowa, NJ

This is to certify that the following product(s) prepared by this company at the facilitie(s) listed above are under the supervision of the Kashruth Division of the Orthodox Union and are kosher as indicated below.

Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1278 2 Nonanone Natural	OUV3-8WMDURY	Pareve	Ⓢ Symbol required.
• 1279 Terpinyl Acetate Natural	OUV3-GKBUFGB	Pareve	Ⓢ Symbol required.
• 1280 Furfuryl Acetate Natural	OUV3-OD10R1Z	Pareve	Ⓢ Symbol required.
• 1281 Butyl Caproate Natural	OUV3-62YK9ET	Pareve	Ⓢ Symbol required.
• 1282 Ethyl Phenyl Acetate Natural	OUV3-RN11M3U	Pareve	Ⓢ Symbol required.
• 1283 Stearic Acid Natural	OUV3-E3N6PXA	Pareve	Ⓢ Symbol required.
• 1284 Citrus Enhancer Natural	OUV3-ALRX9NI	Pareve	Ⓢ Symbol required.
• 1285 Ethyl 3 Hydroxybutyrate Natural	OUV3-UYSQEWZ	Pareve	Ⓢ Symbol required.
• 1286 Ethyl Acrylate 1% In Ethyl Propionate Natural	OUV3-HBTOE2T	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1288 Succinic Acid Natural	OUV3-HHBXAQX	Pareve	Ⓢ Symbol required.
• 1289 Formic Acid 80% Natural	OUV3-CIHDEDF	Pareve	Ⓢ Symbol required.
• 1290 1 Octen 3 Ol Natural	OUV3-BZWMTV1	Pareve	Ⓢ Symbol required.
• 1291 Isobutyl Isovalerate Natural	OUV3-8HJ11KK	Pareve	Ⓢ Symbol required.
• 1292 Peach Thiazole 10% In Triacetin Natural	OUV3-H05JERE	Pareve	Ⓢ Symbol required.
• 1293 Honey Reaction Natural	OUV3-NUGUKFO	Pareve	Ⓢ Symbol required.
• 1295 Maple Furanone 1% Pg Natural	OUV3-KDXXPLQ	Pareve	Ⓢ Symbol required.
• 1296 Cinnamyl Alcohol Natural	OUV3-GJFT5CP	Pareve	Ⓢ Symbol required.
• 1297 Methyl Phenyl Acetate Natural	OUV3-C0B5N5N	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1298 Methional Natural	OUV3-FFGC4CJ	Pareve	Ⓢ Symbol required.
• 1299 Dimethyl Sulfide 5% Natural In Vegetable Oil	OUV3-WABNUME	Pareve	Ⓢ Symbol required.
• 1300 Green Note Natural	OUV3-4HWHUDJ	Pareve	Ⓢ Symbol required.
• 1301 Iso Butyl Thiazole 1% Etoh Natural	OUV3-IR34FVY	Pareve	Ⓢ Symbol required.
• 1304 L Carvyl Acetate Natural	OUV3-IBOQGNB	Pareve	Ⓢ Symbol required.
• 1305 Gamma Nonalactone Natural	OUV3-P2MISO7	Pareve	Ⓢ Symbol required.
• 1308 Fenchyl Alcohol Natural	OUV3-I1SQRDY	Pareve	Ⓢ Symbol required.
• 1310 2 4 Decadienal 10% In Triacetin Natural	OUV3-N1UBAWN	Pareve	Ⓢ Symbol required.
• 1311 Trans 2 Hexenal 10% Etoh Natural	OUV3-IIRPGHN	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1313 Furfuryl Thioacetate Natural	OUV3-BUF7MMS	Pareve	Ⓢ Symbol required.
• 1315 Coffee Enhancer Natural	OUV3-DNJ2VAS	Pareve	Ⓢ Symbol required.
• 1316 Coffee Base 2940 Natural	OUV3-FNNJ324	Pareve	Ⓢ Symbol required.
• 1317 Furfuryl Thiopropionate Natural	OUV3-A2NQJX2	Pareve	Ⓢ Symbol required.
• 1318 Butter Acids Type Natural	OUV3-O35BYOO	Pareve	Ⓢ Symbol required.
• 1319 Butter Esters Type Natural	OUV3-H7K86RB	Pareve	Ⓢ Symbol required.
• 1320 Acetaldehyde 50% D'limonene Natural	OUV3-LU5PIZY	Pareve	Ⓢ Symbol required.
• 1321 Isobornyl Acetate Natural	OUV3-IFL430X	Pareve	Ⓢ Symbol required.
• 1322 Indole 0.6% In Etoh Natural	OUV3-6RDPON3	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1323 Maltol Isobutyrate Natural	OUV3-VDWE7WF	Pareve	Ⓢ Symbol required.
• 1324 2 Methyl 3 Furanthiol 5% Ws	OUV3-EFVCNNS	Pareve	Ⓢ Symbol required.
• 1325 2 4 Decadienal 10% Etoh Natural	OUV3-P6NJ0CH	Pareve	Ⓢ Symbol required.
• 1326 Angelica Lactone Natural	OUV3-EQAOLZF	Pareve	Ⓢ Symbol required.
• 1327 Coffee Furanone Natural	OUV3-IXIIF7X	Pareve	Ⓢ Symbol required.
• 1328 Peach Thiazole 1% Os Natural	OUV3-SHUHXW8	Pareve	Ⓢ Symbol required.
• 1329 Decanal 80% Etoh Natural	OUV3-NITKYUH	Pareve	Ⓢ Symbol required.
• 1330 Borneol Natural	OUV3-XJNECUH	Pareve	Ⓢ Symbol required.
• 1333 5 Methyl Furfural Natural	OUV3-MWHK96C	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1334 Hexyl Propionate Natural	OUV3-NE2QIUF	Pareve	Ⓢ Symbol required.
• 1335 Hexyl Lactate Natural	OUV3-OGOAQFC	Pareve	Ⓢ Symbol required.
• 1336 Cinnamyl Acetate Natural	OUV3-BT73NHJ	Pareve	Ⓢ Symbol required.
• 1337 2 Methyl 3 Furanthiol 5% Os	OUV3-R0RK1GC	Pareve	Ⓢ Symbol required.
• 1338 Peach Thiazole 1% Ws-pg Natural	OUV3-H0Z8KNV	Pareve	Ⓢ Symbol required.
• 1341 Butyl Propionate Natural	OUV3-LNCCBJB	Pareve	Ⓢ Symbol required.
• 1343 Chicory Furanone 5% Pg Natural	OUV3-CIROYKT	Pareve	Ⓢ Symbol required.
• 1345 Pyrazine Mixture Natural	OUV3-R9UCJNR	Pareve	Ⓢ Symbol required.
• 1346 2 5 Dimethyl Pyrazine Natural	OUV3-MBYVEOS	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1347 2 3 5 Trimethyl Pyrazine Natural	OUV3-I5TGMM3	Pareve	Ⓢ Symbol required.
• 1350 Beta Ionone Eec Natural	OUV3-E07YQQJ	Pareve	Ⓢ Symbol required.
• 1351 Methional 5% Etoh Natural	OUV3-6B5RBST	Pareve	Ⓢ Symbol required.
• 1352 Caramel Furanone 1% Etoh Natural	OUV3-VFCZIY6	Pareve	Ⓢ Symbol required.
• 1353 Mesifuran 20% Pg Natural	OUV3-L2I0PYW	Pareve	Ⓢ Symbol required.
• 1354 Caramel Furanone 1% Pg Natural	OUV3-5X1XN72	Pareve	Ⓢ Symbol required.
• 1355 Methyl Caproate Natural	OUV3-QMLSKV6	Pareve	Ⓢ Symbol required.
• 1357 Ethyl Furanone 10% Pg Natural	OUV3-KR2WVMJ	Pareve	Ⓢ Symbol required.
• 1358 Peach Thiazole 1% Triacetin Natural	OUV3-DMJUYVF	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1359 Thio Terpenes Mix Natural	OUV3-2PAXHEP	Pareve	Ⓢ Symbol required.
• 1360 Peach Thiazole 1% Etoh Natural	OUV3-FUOYSL1	Pareve	Ⓢ Symbol required.
• 1362 Cebolla Sabor #5 Natural	OUV3-9GVJ9MN	Pareve	Ⓢ Symbol required.
• 1363 Furfuryl Acetone Natural	OUV3-GTVYIIE	Pareve	Ⓢ Symbol required.
• 1364 Menthyl Lactate Natural	OUV3-OVYM81J	Pareve	Ⓢ Symbol required.
• 1365 Nonanol Natural	OUV3-VSUEHBA	Pareve	Ⓢ Symbol required.
• 1366 Phenyl Acetaldehyde 10% In Triacetin Natural	OUV3-WPPKEZU	Pareve	Ⓢ Symbol required.
• 1369 2 Undecanone Natural	OUV3-PWCDFNX	Pareve	Ⓢ Symbol required.
• 1370 Acetoin Acetate Natural	OUV3-MQA7S9J	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1371 Methyl Ketone Mix 2hn Natural	OUV3-QGDXPPE	Pareve	Ⓢ Symbol required.
• 1372 Furanone Acetate Natural	OUV3-MCBGAGS	Pareve	Ⓢ Symbol required.
• 1373 Ethyl Acrylate 1% Pg Natural	OUV3-CPQ88HP	Pareve	Ⓢ Symbol required.
• 1374 Acetoin Butyrate Natural	OUV3-0S0VPR3	Pareve	Ⓢ Symbol required.
• 1375 2 Methyl 2-pentenoic Acid Natural	OUV3-6CXWBHK	Pareve	Ⓢ Symbol required.
• 1376 Tetrahydrofurfuryl Acetate Natual	OUV3-S8SOFD3	Pareve	Ⓢ Symbol required.
• 1377 2 Methyl Heptenone Natural	OUV3-CW6DWQN	Pareve	Ⓢ Symbol required.
• 1378 Thiazolidine Mixture #808 Natural	OUV3-IMRHDCA	Pareve	Ⓢ Symbol required.
• 1379 Pyrazine Complex #104 Natural	OUV3-NFO35BB	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1380 Natural Pyriveg Mixture #89	OUV3-PROG9RW	Pareve	Ⓢ Symbol required.
• 1381 Acetaldehyde 50% Pg Natural	OUV3-06ILTOT	Pareve	Ⓢ Symbol required.
• 1382 Acetophenone Natural	OUV3-QH6RHYP	Pareve	Ⓢ Symbol required.
• 1383 Acetic Acid 65% Natural	OUV3-6YGLXEP	Pareve	Ⓢ Symbol required.
• 1384 Acetal Natural	OUV3-EUGCCC9	Pareve	Ⓢ Symbol required.
• 1385 Methionol Natural	OUV3-C4KHTKZ	Pareve	Ⓢ Symbol required.
• 1386 2 Isobutyl Thiazole Natural	OUV3-VFRCL4P	Pareve	Ⓢ Symbol required.
• 1387 Phenyl Acetaldehyde 25% Os Natural	OUV3-CXBDUN0	Pareve	Ⓢ Symbol required.
• 1388 CITRONELLOL CHIRAL NATURAL	OUV3-DMSAHF8	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1388 Citronellol Natural	OUV3-7OIAVR0	Pareve	Ⓢ Symbol required.
• 1389 2 Methyl 3 Furanthiol 5% Etoh	OUV3-FGGJ7UH	Pareve	Ⓢ Symbol required.
• 1390 Methyl Mercaptan 1% Etoh Natural	OUV3-SDFPQGC	Pareve	Ⓢ Symbol required.
• 1391 Levulinic Acid Natural	OUV3-B11RG2Q	Pareve	Ⓢ Symbol required.
• 1392 Melon Aldehyde Natural	OUV3-02KPAU0	Pareve	Ⓢ Symbol required.
• 1393 Isobutyl Thiazole 1% Ws Natural	OUV3-1R9DCIN	Pareve	Ⓢ Symbol required.
• 1394 Trans 2 Hexenyl Alcohol 70% Natural	OUV3-E5ZJSOM	Pareve	Ⓢ Symbol required.
• 1395 Benzaldehyde Eec Natural	OUV3-CQDUK0X	Pareve	Ⓢ Symbol required.
• 1396 Furfuryl Mercaptan Eec Natural	OUV3-MMJNZ3G	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1401 Choclatone Eec Natural	OUV3-QYQTHIS	Pareve	Ⓢ Symbol required.
• 1402 Peach Mercaptan Eec Natural	OUV3-J0MNI5T	Pareve	Ⓢ Symbol required.
• 1403 Vanilla Complex Eec Natural	OUV3-G4CSZYV	Pareve	Ⓢ Symbol required.
• 1405 Malto-praline Eec Natural	OUV3-EDHWBRZ	Pareve	Ⓢ Symbol required.
• 1407 Phenyl Acetaldehyde 10% Os Natural	OUV3-3XNWD2K	Pareve	Ⓢ Symbol required.
• 1408 Methyl Mercaptan 1% Pg Natural	OUV3-5BIHSMT	Pareve	Ⓢ Symbol required.
• 1409 Beta Ionone 50% Etoh Eec Natural	OUV3-TISQHOR	Pareve	Ⓢ Symbol required.
• 1410 Benzo Dihydropyrone Natural (dihydrocoumarin)	OUV3-RC76JWJ	Pareve	Ⓢ Symbol required.
• 1411 Maple Furanone 1% Etoh Natural	OUV3-OY7JHPS	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1412 Trans 2 Hexenol 50% Etoh Natural	OUV3-KJUJZUM	Pareve	Ⓢ Symbol required.
• 1413 Iso Butyl Butyrate Natural	OUV3-PFOZR UW	Pareve	Ⓢ Symbol required.
• 1414 Anisic Acid Natural	OUV3-REHYDF4	Pareve	Ⓢ Symbol required.
• 1415 Trans 2 Hexenoic Acid Natural	OUV3-2XQ3YQ0	Pareve	Ⓢ Symbol required.
• 1417 Tetrazine Natural	OUV3-YTU3ZOI	Pareve	Ⓢ Symbol required.
• 1418 2-pentanone Natural	OUV3-EVIQVSY	Pareve	Ⓢ Symbol required.
• 1419 Nonanoic Acid Natural	OUV3-YFT8A0P	Pareve	Ⓢ Symbol required.
• 1420 Cocoa Oleoresin Natural	OUV3-SIMI6WG	Pareve	Ⓢ Symbol required.
• 1421 IONONE NATURAL Q	OUV3-1G4AMD7	Pareve	Ⓢ Symbol required.

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Advanced Biotech Inc. (continued)

Advanced Biotech Inc., 10 Taft Road, Totowa, NJ

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1422 2 Heptanol Natural	OUV3-NAR196X	Pareve	Ⓢ Symbol required.
• 1423 Diethyl Succinate Natural	OUV3-RLK04G1	Pareve	Ⓢ Symbol required.
• 1426 Vanilla Absolute Natural	OUV3-WSWBVMD	Pareve	Ⓢ Symbol required.
• 1427 Nonyl Acetate Natural	OUV3-E4NSYOL	Pareve	Ⓢ Symbol required.
• 1428 Trans 2-hexenal 5% Etoh Natural	OUV3-IDTTDFB	Pareve	Ⓢ Symbol required.
• 1429 L-malic Acid Natural	OUV3-HISTGSB	Pareve	Ⓢ Symbol required.
• 1430 Floraline Osmanthus Natural	OUV3-QHHS8AA	Pareve	Ⓢ Symbol required.
• 1431 Indole 1% Pg Natural	OUV3-7PDICQG	Pareve	Ⓢ Symbol required.
• 1433 Isobutyl Phenyl Acetate Natural	OUV3-FIRQF20	Pareve	Ⓢ Symbol required.

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Rabbi Menachem Genack, *Rabbinic Administrator, CEO*

This certification is valid through 11/30/2019



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

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UNION OF ORTHODOX JEWISH CONGREGATIONS OF AMERICA איחוד קהילות האורתודוקסים באמריקה
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Advanced Biotech Inc. (continued)

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1434 Baconal Natural	OUV3-QU8T2RL	Pareve	Ⓢ Symbol required.
• 1435 Gamma Undecalactone Chiral Eec Natural	OUV3-DDYNHYC	Pareve	Ⓢ Symbol required.
• 1436 Methyl Ketones Mix (cheese Note) Natural	OUV3-4VTFVYI	Pareve	Ⓢ Symbol required.
• 1438 Methyl Butyrate Natural	OUV3-I0ML6ID	Pareve	Ⓢ Symbol required.
• 1439 Acetaldehyde 50% Orange Oil 5 Fold Natural	OUV3-U82HXWK	Pareve	Ⓢ Symbol required.
• 1440 Rum Ether Replacer Flavor Natural	OUV3-NF8QKUO	Pareve	Ⓢ Symbol required.
• 1441 Leaf Acetate 75% Natural	OUV3-XHE17FO	Pareve	Ⓢ Symbol required.
• 1442 Benzyl Propionate Natural	OUV3-RJVM00M	Pareve	Ⓢ Symbol required.
• 1443 Roastex Natural	OUV3-ZNBJARV	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1444 P-menthene-8-thiol 1% D'limonene Natural	OUV3-YPDWPO0	Pareve	Ⓢ Symbol required.
• 1445 Methyl Thio Butyrate 5% Etoh Natural	OUV3-VJMLGBY	Pareve	Ⓢ Symbol required.
• 1446 Methyl Eugenol Natural	OUV3-PBXVXU3	Pareve	Ⓢ Symbol required.
• 1447 Cognac Oil Replacer Natural	OUV3-NX9HSPY	Pareve	Ⓢ Symbol required.
• 1448 Methyl Anisate Natural	OUV3-O2BMVJE	Pareve	Ⓢ Symbol required.
• 1449 Zingerone Natural	OUV3-WRGLBKZ	Pareve	Ⓢ Symbol required.
• 1451 Trans-2-hexenal 50% Etoh Natural	OUV3-3ML6DJS	Pareve	Ⓢ Symbol required.
• 1452 Sulfuron Natural	OUV3-MCSTEXE	Pareve	Ⓢ Symbol required.
• 1453 Ethyl Oxyhydrate Natural	OUV3-CLQB1T3	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1454 Iso Amyl Caprylate Natural	OUV3-IHMKPXY	Pareve	Ⓢ Symbol required.
• 1455 Butyl 2 Methyl Butyrate Natural	OUV3-1TDSC7P	Pareve	Ⓢ Symbol required.
• 1456 Green Key Natural	OUV3-3B3RTAK	Pareve	Ⓢ Symbol required.
• 1457 Ethyl Crotonate Natural	OUV3-PCYIRDS	Pareve	Ⓢ Symbol required.
• 1458 1 Penten 3 Ol Natural	OUV3-SXSR82O	Pareve	Ⓢ Symbol required.
• 1459 Methyl Undecenoate Natural	OUV3-QRTEYCC	Pareve	Ⓢ Symbol required.
• 1460 Onional Natural	OUV3-NRJM3VZ	Pareve	Ⓢ Symbol required.
• 1461 Ionones Mixed 7.7 Natural	OUV3-Z2XP7A5	Pareve	Ⓢ Symbol required.
• 1462 Caramel Furanone 1% Sunflower Oil Natural	OUV3-NEI62YD	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1463 2 3 5 6 Tetra Methyl Pyrazine Natural	OUV3-LWIG5QE	Pareve	Ⓢ Symbol required.
• 1464 Diethyl Tartrate Natural	OUV3-RX0XLNI	Pareve	Ⓢ Symbol required.
• 1465 Malto-praline Extra Eec Natural	OUV3-1555D7I	Pareve	Ⓢ Symbol required.
• 1466 Isopropyl Alcohol Natural	OUV3-VPTBOMJ	Pareve	Ⓢ Symbol required.
• 1470 O Methoxy Cinnamic Aldehyde Natural	OUV3-HYTFPKT	Pareve	Ⓢ Symbol required.
• 1471 Pyrazine Mixture Ii Natural	OUV3-7MTVHYR	Pareve	Ⓢ Symbol required.
• 1472 Benzyl Phenyl Acetate Natural	OUV3-C7QPOJ4	Pareve	Ⓢ Symbol required.
• 1475 Butter Derivatives Natural	OUV3-KQXSME0	Pareve	Ⓢ Symbol required.

Changed to OU parve 10.12.18

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1476 2 Tridecanone Natural	OUV3-VRINIQ5	Pareve	Ⓢ Symbol required.
• 1477 Camphene Natural	OUV3-ETDWMBJ	Pareve	Ⓢ Symbol required.
• 1478 Pyrazine Mixture Iii Natural	OUV3-3CG5F9H	Pareve	Ⓢ Symbol required.
• 1479 5 Methyl 2 Hepten 4 One Natural	OUV3-M1XRC52	Pareve	Ⓢ Symbol required.
• 1480 Linalyl Acetate Ex Petitgrain Natural	OUV3-6IOHTBF	Pareve	Ⓢ Symbol required.
• 1482 Methyl Ketones Mix (bold Flavor) Natural	OUV3-OYG4B99	Pareve	Ⓢ Symbol required.
• 1483 Isoamyl Laurate Natural	OUV3-RKXBQT9	Pareve	Ⓢ Symbol required.
• 1484 Ethyl 3 Hydroxy Caproate Natural	OUV3-8SMMYS8	Pareve	Ⓢ Symbol required.
• 1485 Linalool Ex Orange Natural	OUV3-G0GA6AT	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1486 Fumaric Acid Natural	OUV3-GP8U9OY	Pareve	Ⓢ Symbol required.
• 1487 Rhodinol Flavor Type Natural	OUV3-GHJUNXW	Pareve	Ⓢ Symbol required.
• 1488 Allyl Alcohol Natural	OUV3-8FMZIFU	Pareve	Ⓢ Symbol required.
• 1490 Fermentone Extra 1% In Triacetin Natural	OUV3-TG23QIU	Pareve	Ⓢ Symbol required.
• 1492 Fermentone 1% In Pg Natural	OUV3-7FSH8PR	Pareve	Ⓢ Symbol required.
• 1493 Methyl Ketones Mix (non-dairy) Natural	OUV3-8BX83SA	Pareve	Ⓢ Symbol required.
• 1494 Trans 2 Nonenal 1% Tec Natural	OUV3-DAJNDX7	Pareve	Ⓢ Symbol required.
• 1495 Vanillin Ex Ferulic Acid Natural (abtvanforall™)	OUV3-2NH44QG	Pareve	Ⓢ Symbol required.
• 1496 Vanillin Ex Turmeric Natural	OUV3-FVJWVIR	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1497 2,6-dimethyl Pyrazine Natural	OUV3-P4H3VHC	Pareve	Ⓢ Symbol required.
• 1498 Beta Caryophyllene Natural	OUV3-GXP8MJV	Pareve	Ⓢ Symbol required.
• 1499 Methyl Ketones "t" Mix Natural	OUV3-LKEYOFV	Pareve	Ⓢ Symbol required.
• 1501 2 Ethyl 4 Methyl Thiazole 4% In Triethyl Citrate Natural	OUV3-MUJ2NMA	Pareve	Ⓢ Symbol required.
• 1502 Linalool Oxide Natural	OUV3-NCBAGRT	Pareve	Ⓢ Symbol required.
• 1503 Propyl Caproate Natural	OUV3-Q8KYW8D	Pareve	Ⓢ Symbol required.
• 1505 Methyl Thioacetate 1% In Triethyl Citrate Natural	OUV3-DHKARPL	Pareve	Ⓢ Symbol required.
• 1506 Ethyl Linoleate Natural	OUV3-HXRG96U	Pareve	Ⓢ Symbol required.
• 1507 Benzyl Salicylate Natural	OUV3-N60EOAN	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1508 Anisyl Formate Natural	OUV3-TJGKFSD	Pareve	Ⓢ Symbol required.
• 1509 Bis (2-methyl 3 Furyl) Disulphide 1% In Triethyl Citrate Natural	OUV3-IG8AC3E	Pareve	Ⓢ Symbol required.
• 1510 Cinnamyl Isobutyrate Natural	OUV3-XM8NYQ4	Pareve	Ⓢ Symbol required.
• 1511 Isoamyl Formate Natural	OUV3-CLJFCM3	Pareve	Ⓢ Symbol required.
• 1512 Methyl Anthranilate Natural Eec	OUV3-RKIT5OL	Pareve	Ⓢ Symbol required.
• 1513 Gamma Dodecalactone Natural Eu	OUV3-USL81KY	Pareve	Ⓢ Symbol required.
• 1514 Gamma Octalactone Natural	OUV3-HQW4HPE	Pareve	Ⓢ Symbol required.
• 1515 Methyl Heptanoate Natural	OUV3-XYO90JW	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1516 Hexyl Cinnamic Aldehyde Natural	OUV3-L90CUQC	Pareve	Ⓢ Symbol required.
• 1517 Methyl Acetate Natural	OUV3-AKYWAX0	Pareve	Ⓢ Symbol required.
• 1518 Cucumber Aldehyde Wonf Type Flavor Natural	OUV3-37RHIGO	Pareve	Ⓢ Symbol required.
• 1519 Maple Furanone 1% In Triacetin Natural	OUV3-LQBT0OM	Pareve	Ⓢ Symbol required.
• 1520 Acetal Natural 30-35% In Etoh	OUV3-M9OHGB5	Pareve	Ⓢ Symbol required.
• 1521 Quesote 10% Tec Natural (sulfurol)	OUV3-IU85GVL	Pareve	Ⓢ Symbol required.
• 1523 Linalyl Butyrate Natural	OUV3-DV50TDT	Pareve	Ⓢ Symbol required.
• 1524 Furfuryl Mercaptan 1% In Pg Natural	OUV3-1J2UFJC	Pareve	Ⓢ Symbol required.
• 1525 Cis 3 Hexenyl Formate Natural	OUV3-IPQIFAQ	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1526 Buchu Replacer Fraction Natural	OUV3-2J0MNSM	Pareve	Ⓢ Symbol required.
• 1528 Gamma Terpinene Natural	OUV3-WBKAE2J	Pareve	Ⓢ Symbol required.
• 1531 Green Key Mt Natural	OUV3-MFVPJAI	Pareve	Ⓢ Symbol required.
• 1532 Quesote 10% Os Natural (sulfurol)	OUV3-YSXLXCC	Pareve	Ⓢ Symbol required.
• 1535 Styrallyl Acetate Natural	OUV3-B0MXPXC	Pareve	Ⓢ Symbol required.
• 1536 Fermentone Extra 1% Pg Natural	OUV3-OMHORBH	Pareve	Ⓢ Symbol required.
• 1537 Beta Pinene Natural	OUV3-EBPVKAA	Pareve	Ⓢ Symbol required.
• 1538 3 Methylthio 1 Hexyl Acetate Natural	OUV3-YPQ79UJ	Pareve	Ⓢ Symbol required.
• 1540 Butter Enhancer Natural	OUV3-5BEXAYF	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1541 Phenol Natural	OUV3-B8LVX4K	Pareve	Ⓢ Symbol required.
• 1542 Peach Thiazole 1% Ws-gly Natural	OUV3-UU6HRUS	Pareve	Ⓢ Symbol required.
• 1543 Ammonium Sulfide 15% In Water	OUV3-VTIU9XJ	Pareve	Ⓢ Symbol required.
• 1545 Walnut Furanone Natural	OUV3-IONACJR	Pareve	Ⓢ Symbol required.
• 1546 Natural Pyroligneous Acid	OUV3-G8CCA8O	Pareve	Ⓢ Symbol required.
• 1547 S-methyl Thiopropionate Natural	OUV3-CIU3WMX	Pareve	Ⓢ Symbol required.
• 1548 Propylene Glycol Natural	OUV3-8QHDC6N	Pareve	Ⓢ Symbol required.
• 1549 Green Complex (10886) Natural	OUV3-USRGZVU	Pareve	Ⓢ Symbol required.
• 1550 Furanone Butyrate Natural	OUV3-XSKQCYU	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1552 Iso Amyl Alcohol (halal) Natural	OUV3-UMCA7OX	Pareve	Ⓢ Symbol required.
• 1553 Methyl Isoeugenol Natural	OUV3-DJR8YMQ	Pareve	Ⓢ Symbol required.
• 1554 Carvacrol Natural	OUV3-B75FI6Z	Pareve	Ⓢ Symbol required.
• 1555 2 Methyl 3 Furanthiol 5% Sunfl	OUV3-OJVQAO6	Pareve	Ⓢ Symbol required.
• 1556 Butyl Methyl Butyrates Mix Eec Natural	OUV3-SUB3CZS	Pareve	Ⓢ Symbol required.
• 1557 Methional 5% Os Natural	OUV3-0OV7WOO	Pareve	Ⓢ Symbol required.
• 1558 Benzyl Isovalerate Natural	OUV3-Q0GMV1E	Pareve	Ⓢ Symbol required.
• 1560 Gamma Nonalactone Eec Natural	OUV3-3P08PY7	Pareve	Ⓢ Symbol required.
• 1562 Ethyl Furanone 10% In Triacetin Natural	OUV3-JRZK5OX	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1563 Bis 2 Methyl 3 Furyl Disulfide 1% Os Natural	OUV3-KSE21HH	Pareve	Ⓢ Symbol required.
• 1564 4 Methyl Octanoic Acid Natural	OUV3-AQGD6MB	Pareve	Ⓢ Symbol required.
• 1565 Isopropyl Mercaptan Natural	OUV3-GTNQKAU	Pareve	Ⓢ Symbol required.
• 1566 Furanone 15% Triacetin Natural	OUV3-HSSC8QD	Pareve	Ⓢ Symbol required.
• 1567 Peach Thiazole 1% Ws-clr Natural	OUV3-E7EIZ2G	Pareve	Ⓢ Symbol required.
• 1568 Maple Furanone 1% Etoh Oc Natural	OUV3-4XOAW60	Pareve	Ⓢ Symbol required.
• 1569 Trans 2 Octenal Natural	OUV3-AEQTED8	Pareve	Ⓢ Symbol required.
• 1570 Pentyl Furan Natural	OUV3-PUT6EGN	Pareve	Ⓢ Symbol required.
• 1571 Methyl 2- Methyl-3- Furyl Disulfide 1% In Triacetin Natural	OUV3-1DBNY2K	Pareve	Ⓢ Symbol required.

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Rabbi Menachem Genack, *Rabbinic Administrator, CEO*

This certification is valid through 11/30/2019

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ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

נס"ד

UNION OF ORTHODOX JEWISH CONGREGATIONS OF AMERICA איחוד קהילות האורתודוקסים באמריקה
 ELEVEN BROADWAY / NEW YORK, NY 10004 / 212-613-8241 / KOSHERLETTER@OU.ORG / OUKOSHER.ORG

November 19, 2018

Advanced Biotech Inc. (continued)

Advanced Biotech Inc., 10 Taft Road, Totowa, NJ

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1572 Bis 2 Methyl 3 Furyl Disulfide 10% Os Natural	OUV3-LBXI2SS	Pareve	Ⓢ Symbol required.
• 1573 2 4 Decadienal 90% Natural	OUV3-JTKSCXM	Pareve	Ⓢ Symbol required.
• 1574 Hexyl 2 Methyl Butyrate Natural	OUV3-G0I5FVI	Pareve	Ⓢ Symbol required.
• 1576 Maple Furanone 1% Ws Natural Non-allergenic	OUV3-GHKJ6PL	Pareve	Ⓢ Symbol required.
• 1578 Grain Fusel Oil S Type Natural	OUV3-TDY28QR	Pareve	Ⓢ Symbol required.
• 1579 Chocotella Super #2 Natural	OUV3-NKSS926	Pareve	Ⓢ Symbol required.
• 1580 2 Methyl 1 Butanol Mixed Isomers Natural	OUV3-EX76IZR	Pareve	Ⓢ Symbol required.
• 1582 Methyl Isobutyrate Natural	OUV3-IFHFHTB	Pareve	Ⓢ Symbol required.
• 1584 Borneol Chiral Natural	OUV3-GKR5PMU	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1585 Maple Furanone 10% In Triacetin Natural	OUV3-S8JULJX	Pareve	Ⓢ Symbol required.
• 1586 Delta Decalactone Natural	OUV3-UNALDQI	Pareve	Ⓢ Symbol required.
• 1587 Delta Dodecalactone Natural	OUV3-M52AA26	Pareve	Ⓢ Symbol required.
• 1589 3 Methylthio Butanal Natural	OUV3-F0CIKF	Pareve	Ⓢ Symbol required.
• 1590 Phenyl Ethyl Isobutyrate Nat	OUV3-55NIOA6	Pareve	Ⓢ Symbol required.
• 1591 Isoamyl 2 Methyl Butyrate Natural	OUV3-LNEQTPE	Pareve	Ⓢ Symbol required.
• 1592 Sodium Acetate Natural	OUV3-WOPJ945	Pareve	Ⓢ Symbol required.
• 1593 2 6 Dimethoxy Phenol Natural	OUV3-MDFUDKL	Pareve	Ⓢ Symbol required.
• 1594 Benzaldehyde Glyceryl Acetal Natural	OUV3-IMKFDVB	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1595 2 Methyl 3furanthiol Acetate Nat.	OUV3-AHPKHIL	Pareve	Ⓢ Symbol required.
• 1596 Fermentone Concentrate Natural	OUV3-KVHYYNW	Pareve	Ⓢ Symbol required.
• 1597 Phenyl Propyl Acetate Natural	OUV3-TFF31MR	Pareve	Ⓢ Symbol required.
• 1598 Phenyl Propyl Alcohol Natural	OUV3-7TVGWRX	Pareve	Ⓢ Symbol required.
• 1599 Gamma Hexalactone Natural	OUV3-VVEWKQS	Pareve	Ⓢ Symbol required.
• 1600 Mango Furanone Natural	OUV3-LQIZAU3	Pareve	Ⓢ Symbol required.
• 1601 Vanillin Acetate Natural	OUV3-UXFXNS4	Pareve	Ⓢ Symbol required.
• 1603 2 Methyl Butyric Acid Natural	OUV3-9MCQVA9	Pareve	Ⓢ Symbol required.
• 1604 Ethyl 2 Methyl Butyrate Natural	OUV3-LA5VKRQ	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1605 Gamma Decalactone Natural	OUV3-WFLCGJB	Pareve	Ⓢ Symbol required.
• 1606 Triacetin Natural	OUV3-LORAQCU	Pareve	Ⓢ Symbol required.
• 1607 L Rhamnose Natural	OUV3-GP692SJ	Pareve	Ⓢ Symbol required.
• 1608 Chocolatone Etoh Natural	OUV3-63IAFPD	Pareve	Ⓢ Symbol required.
• 1609 Chocolatone Tec Natural	OUV3-F4PEFWO	Pareve	Ⓢ Symbol required.
• 1610 Ethyl Furanone Natural	OUV3-LU4CHNL	Pareve	Ⓢ Symbol required.
• 1611 Maple Furanone 10% Pg Natural	OUV3-QD84QEL	Pareve	Ⓢ Symbol required.
• 1612 5 Methyl 2 Hepten 4 One 10% Etoh Natural (filbertone)	OUV3-NKLX9MS	Pareve	Ⓢ Symbol required.
• 1613 Sodium Diacetate (dry Vinegar) Natural	OUV3-YCVHGM7	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1614 Peach Thiazole 1% Etoh Np Natural	OUV3-KHM4ONM	Pareve	Ⓢ Symbol required.
• 1619 Delta Undecalactone Natural	OUV3-TJXQQJP	Pareve	Ⓢ Symbol required.
• 1620 Lactones Mixture Natural	OUV3-CE0JTNR	Pareve	Ⓢ Symbol required.
• 1621 Choclatone Ws Natural	OUV3-QS1WTAF	Pareve	Ⓢ Symbol required.
• 1622 Quesote 25% Tec Natural	OUV3-TJKUKZP	Pareve	Ⓢ Symbol required.
• 1624 Caramel Furanone 1% Etoh Wf Natural	OUV3-J3IYTQQ	Pareve	Ⓢ Symbol required.
• 1626 Whiskey Fusel Oil Natural	OUV3-A4BCETE	Pareve	Ⓢ Symbol required.
• 1628 Aldegen Natural	OUV3-JJNR6OP	Pareve	Ⓢ Symbol required.
• 1629 Fermentone Supra 1% In Triacetin Natural	OUV3-0IBIH6C	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1630 Acetaldehyde 50% In Triacetin Natural	OUV3-GJTEYVD	Pareve	Ⓢ Symbol required.
• 1633 1 Octen 3 Ol Natural (usa)	OUV3-VD0SRAZ	Pareve	Ⓢ Symbol required.
• 1634 2 ,4 Decadienal 95% Natural	OUV3-635C071	Pareve	Ⓢ Symbol required.
• 1635 Ethyl Propionate G Type Natura	OUV3-F3EWKLA	Pareve	Ⓢ Symbol required.
• 1636 Phenyl Acetaldehyde 50% In Phenyl Ethyl Alcohol Natural	OUV3-6POS8KW	Pareve	Ⓢ Symbol required.
• 1637 Phenyl Acetaldehyde 50% In Pg Natural	OUV3-QQYRVCB	Pareve	Ⓢ Symbol required.
• 1638 Phenyl Acetaldehyde 50% Etoh Natural	OUV3-VCS6JXV	Pareve	Ⓢ Symbol required.
• 1640 Linalool Coeur De Bois Hp Natural	OUV3-DG1SPAN	Pareve	Ⓢ Symbol required.
• 1641 Roastarome Natural	OUV3-D0WGTRV	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1644 Methyl 2 Methyl 3 Furyl Disulfide 1% In Triethyl Citrate Natural	OUV3-4SXU52A	Pareve	Ⓢ Symbol required.
• 1645 Decanal 50% Etoh Natural	OUV3-JWGOGWJ	Pareve	Ⓢ Symbol required.
• 1646 Ortho Cresol Natural	OUV3-YAEP6ZI	Pareve	Ⓢ Symbol required.
• 1647 Rum Ether (r Type) Natural	OUV3-LGYLUWW	Pareve	Ⓢ Symbol required.
• 1651 Green Key (halal Type) Natural	OUV3-PRFAVGG	Pareve	Ⓢ Symbol required.
• 1653 Methyl Caprylate Natural	OUV3-GWOCWNY	Pareve	Ⓢ Symbol required.
• 1654 2 Acetyl Pyrazine 5% Pg Natural	OUV3-RYGNUHK	Pareve	Ⓢ Symbol required.
• 1655 2 Acetyl Pyrazine 5% Etoh Natural	OUV3-HQBQZLF	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1656 2 Acetyl Pyrazine 5% Tec Natural	OUV3-OABYCX6	Pareve	Ⓢ Symbol required.
• 1657 2 Acetyl Pyrazine 5% Os Natural	OUV3-HLAN13U	Pareve	Ⓢ Symbol required.
• 1658 Beta Damascenone 5% Pg Natural	OUV3-SLYUCT8	Pareve	Ⓢ Symbol required.
• 1659 Chicory Furanone 5% Etoh Natural	OUV3-MA4C7SP	Pareve	Ⓢ Symbol required.
• 1660 2 Heptanone (i Type) Natural	OUV3-JX9P5SC	Pareve	Ⓢ Symbol required.
• 1661 Ketones (i Type) Natural	OUV3-DGGPLU4	Pareve	Ⓢ Symbol required.
• 1662 Fermentone 5% Etoh Natural	OUV3-WUZSPGB	Pareve	Ⓢ Symbol required.
• 1663 Beta Damascenone 1% Etoh Nat	OUV3-DPTMIP8	Pareve	Ⓢ Symbol required.
• 1664 Iso Amyl Cinnamate Natural	OUV3-UQQPL0T	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1665 Mixed Methyl Ketones 10822455 (i Type)	OUV3-IE039AD	Pareve	Ⓢ Symbol required.
• 1667 5 Methyl 2 Hepten 4 One 1% Etoh Natural	OUV3-XKALUK1	Pareve	Ⓢ Symbol required.
• 1668 Fermentone 5% Pg Natural	OUV3-1MOCJ2O	Pareve	Ⓢ Symbol required.
• 1669 Mesifuran 20% Etoh Natural	OUV3-W7CTEGD	Pareve	Ⓢ Symbol required.
• 1670 Gamma Heptalactone Racemic Natural	OUV3-GAMF9OS	Pareve	Ⓢ Symbol required.
• 1671 Butyl Oleate Natural	OUV3-HVJRHV4	Pareve	Ⓢ Symbol required.
• 1672 Hexyl Isobutyrate Natural	OUV3-DITKB26	Pareve	Ⓢ Symbol required.
• 1673 2 Methyl Butyl Isobutyrate Natural	OUV3-PAYBHXR	Pareve	Ⓢ Symbol required.
• 1674 2 Methyl Butyl Caproate Natural	OUV3-9MA25SW	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1675 Isobutyl 2-methyl Butyrate Natural	OUV3-PDCWQGA	Pareve	Ⓢ Symbol required.
• 1676 Methyl Furoate Natural	OUV3-NEJUWXP	Pareve	Ⓢ Symbol required.
• 1678 Citral Dimethyl Acetal Natural	OUV3-3HQRSN7	Pareve	Ⓢ Symbol required.
• 1680 2 Nonanol Natural	OUV3-YRXX7JR	Pareve	Ⓢ Symbol required.
• 1681 2 3 5 Trimethyl Pyrazine Hp Natural	OUV3-RZDC90R	Pareve	Ⓢ Symbol required.
• 1682 Fermentone Extra 5% Triacetin	OUV3-ABCQJSN	Pareve	Ⓢ Symbol required.
• 1683 Oxidized Oil High Dienals Nat	OUV3-AEPAIGH	Pareve	Ⓢ Symbol required.
• 1685 Styralyl Alcohol Natural	OUV3-4P8RRNK	Pareve	Ⓢ Symbol required.
• 1686 Butter Booster Os Natural	OUV3-7ICNWVE	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1687 Butter Booster Ws Natural	OUV3-LKHBCRK	Pareve	Ⓢ Symbol required.
• 1690 Tropescado #1 Natural	OUV3-LGHTHL2	Pareve	Ⓢ Symbol required.
• 1693 Iso Amyl Acetate Mix Natural	OUV3-YCQPNDH	Pareve	Ⓢ Symbol required.
• 1695 2 5 Dimethyl Pyrazine (w Type) Natural	OUV3-CRUDU71	Pareve	Ⓢ Symbol required.
• 1697 Tropescado #2 Natural	OUV3-JJNFAYI	Pareve	Ⓢ Symbol required.
• 1698 2 METHYL 3 FURANTHIOL 5% EA NATURAL	OUV3-7AJEIRQ	Pareve	Ⓢ Symbol required.
• 1698 2 Methyl 3 Furanthiol 5-EA Natural	OUV3-967D899	Pareve	Ⓢ Symbol required.
• 1699 SULFUROL ALTERNATIVE MILK NATURAL	OUV3-4X0K8PE	Pareve	Ⓢ Symbol required.
• 1701 Cis3 Hexenoic Acid 5% Pg Natural	OUV3-CEU8DJR	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1702 Cis 3 Hexenal 1% Pg Natural	OUV3-6THJ5HV	Pareve	Ⓢ Symbol required.
• 1706 2-methyl 3-furan Acet 1% Os Na	OUV3-LEAS7ET	Pareve	Ⓢ Symbol required.
• 1707 Koolada - Mms Natural	OUV3-TEJG5A9	Pareve	Ⓢ Symbol required.
• 1708 Succinic Acid Crystals Natural	OUV3-TMQCSB0	Pareve	Ⓢ Symbol required.
• 1709 Methyl Isovalerate Natural	OUV3-OVCHUFU	Pareve	Ⓢ Symbol required.
• 1714 Methional 5% Sunflower Oil Nat	OUV3-008K0LG	Pareve	Ⓢ Symbol required.
• 1715 Ethyl Acrylate 1% Etoh Natural	OUV3-CTCGEGR	Pareve	Ⓢ Symbol required.
• 1716 Cis 3 Hexenal 1% Etoh Natural	OUV3-VTCXNBK	Pareve	Ⓢ Symbol required.
• 1717 2 Methyl 3 Furanthiol 1% In Sunflower Oil Natural	OUV3-1P8YTLI	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1718 2,5(6) Dimethyl Pyrazine Nat	OUV3-BKT4S6K	Pareve	Ⓢ Symbol required.
• 1719 2 Methyl 3 Furanthiol 1% Etoh Nat	OUV3-XIRA4KF	Pareve	Ⓢ Symbol required.
• 1720 2 Methyl 3 Furanthiol 1% Ws Na	OUV3-S5ES3OY	Pareve	Ⓢ Symbol required.
• 1721 2 Methyl 3 Furanthiol 1% Os Na	OUV3-GB54XES	Pareve	Ⓢ Symbol required.
• 1722 2 Methyl 3 Furanthiol 1% Tri N	OUV3-78ZFY8F	Pareve	Ⓢ Symbol required.
• 1723 2 Methyl 3 Furanthiol 1% Ea Na	OUV3-BB XK8EB	Pareve	Ⓢ Symbol required.
• 1724 Aldehyde C 12 10% Etoh Natural	OUV3-F4C7W1O	Pareve	Ⓢ Symbol required.
• 1725 Isopropyl Myristate Natural	OUV3-J3PJMF1	Pareve	Ⓢ Symbol required.
• 1726 ISOBUTYL FORMATE NATURAL	OUV3-PQWKRQ3	Pareve	Ⓢ Symbol required.

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November 19, 2018

Advanced Biotech Inc. (continued)

Advanced Biotech Inc., 10 Taft Road, Totowa, NJ

This is to certify that the following product(s) prepared by this company at the facilitie(s) listed above are under the supervision of the Kashruth Division of the Orthodox Union and are kosher as indicated below.

Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1727 RUM ETHER REPLACER TYPE (H) NATURAL	OUV3-3XXEII4	Pareve	Ⓢ Symbol required.
• 1728 FERULIC ACID NATURAL	OUV3-VW4BGOU	Pareve	Ⓢ Symbol required.
• 1730 DAIRY MOUTHFEEL ENHANCER NATURAL	OUV3-SASI7QY	Pareve	Ⓢ Symbol required.
• 1731 HONEY FLAVOR NATURAL	OUV3-GPQJUXI	Pareve	Ⓢ Symbol required.
• 1732 KEY BASE MX080764 FRUIT BB NATURAL	OUV3-ZNQGFTH	Pareve	Ⓢ Symbol required.
• 1734 4 VINYLGUAIACOL 1% PG NATURAL	OUV3-GZWOLUN	Pareve	Ⓢ Symbol required.
• 1736 2 HEPTANETHIOL 0.1% PG NATURAL	OUV3-W0EKPLT	Pareve	Ⓢ Symbol required.
• 1737 ETHYL 3(METHYLT)PROP 1% PG NAT	OUV3-FLPMBO5	Pareve	Ⓢ Symbol required.
• 1739 CIS 6 NONENOL 1% PG NATURAL	OUV3-B9TXO41	Pareve	Ⓢ Symbol required.

Use of the OU trademark must comply with the terms set forth in a written agreement with the Orthodox Union. Any other use of the OU trademark is not authorized.

Rabbi Menachem Genack, *Rabbinic Administrator, CEO*

This certification is valid through 11/30/2019

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ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

נס"ד

UNION OF ORTHODOX JEWISH CONGREGATIONS OF AMERICA איחוד קהילות האורתודוקסים באמריקה
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Advanced Biotech Inc. (continued)

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1740 WHISKEY LACTONE 1% PG NATURAL	OUV3-JZPGUS6	Pareve	Ⓢ Symbol required.
• 1741 CITRONELLYL ACETATE NATURAL	OUV3-KIX1LG8	Pareve	Ⓢ Symbol required.
• 1743 CIS 3 HEXENOL (S TYPE) NATURAL	OUV3-XCTQ8TL	Pareve	Ⓢ Symbol required.
• 1744 CITRONELLYL BUTYRATE NATURAL	OUV3-AHWNN76	Pareve	Ⓢ Symbol required.
• 1745 4 VINYLGUIACOL 10% TRIACETIN NATURAL	OUV3-33IUFAJ	Pareve	Ⓢ Symbol required.
• 1747 PHENYL ETHYL PHENYL ACETATE NATURAL	OUV3-CI9EBLA	Pareve	Ⓢ Symbol required.
• 1748 2 DECANONE NATURAL	OUV3-OBKCEGQ	Pareve	Ⓢ Symbol required.
• 1750 BETA DAMASCENONE 1% ETOH (S) NATURAL	OUV3-FMPQYNO	Pareve	Ⓢ Symbol required.
• 1751 2 BUTANONE NATURAL	OUV3-94V7UJR	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 1752 VALERIC ACID NATURAL	OUV3-GCDTJNY	Pareve	Ⓢ Symbol required.
• 1755 CINNAMYL PROPIONATE NATURAL	OUV3-YXY3XNJ	Pareve	Ⓢ Symbol required.
• 1756 TRANS 2 NONENAL 10% TR NATURAL	OUV3-CALSVTP	Pareve	Ⓢ Symbol required.
• 1758 1 HEPTANOL	OUV3-K2TFITR	Pareve	Ⓢ Symbol required.
• 1759 DELTA TETRADECALACTONE NATURAL	OUV3-RPPZCDG	Pareve	Ⓢ Symbol required.

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