



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			
• 2001 Methyl Thiobutyrate Synthetic	OUV3-EC1L20A	Pareve	Ⓢ Symbol required.
• 2002 Myristic Acid Synthetic	OUV3-EP7UFV6	Pareve	Ⓢ Symbol required.
• 2003 Savory Complex Synthetic	OUV3-DPDMAGI	Pareve	Ⓢ Symbol required.
• 2004 3 Mercapto-2-butanone	OUV3-WVI8HCM	Pareve	Ⓢ Symbol required.
• 2005 Maltol Synthetic	OUV3-PECE5ES	Pareve	Ⓢ Symbol required.
• 2009 Aldehyde C 14 Fcc** (gamma Undecalatone 1008)	OUV3-02FALT6	Pareve	Ⓢ Symbol required.
• 2010 Acetic Acid Synthetic	OUV3-GM9BDE2	Pareve	Ⓢ Symbol required.
• 2011 Furfural Synthetic	OUV3-9RIFGK3	Pareve	Ⓢ Symbol required.
• 2012 Delta Decalactone Synthetic	OUV3-M2OQDJL	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

Page 1 of 15



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Advanced Biotech Inc. (continued)

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 2013 Delta Dodecalactone Synthetic	OUV3-NSVQIYJ	Pareve	Ⓢ Symbol required.
• 2014 Ethyl Vanillin Synthetic	OUV3-UHB9IDF	Pareve	Ⓢ Symbol required.
• 2017 2 Methyl 2 Pentenoic Acid Synthetic	OUV3-4TTBI0X	Pareve	Ⓢ Symbol required.
• 2019 2 4 Decadienal Synthetic	OUV3-SZF0WOV	Pareve	Ⓢ Symbol required.
• 2022 5 Methyl 2 Phenyl 2 Hexenal Synthetic	OUV3-ZOIDO7G	Pareve	Ⓢ Symbol required.
• 2023 Acetaldehyde 100% Synthetic	OUV3-HWXRZGQ	Pareve	Ⓢ Symbol required.
• 2024 Acetaldehyde 50% Etoh Synthetic	OUV3-DAHSBRG	Pareve	Ⓢ Symbol required.
• 2025 Acetyl Propionyl Synthetic	OUV3-ROXHQJE	Pareve	Ⓢ Symbol required.
• 2028 Anisyl Acetone Synthetic	OUV3-E8C1LMK	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 2029 Capric Acid Synthetic	OUV3-TAWAIRP	Pareve	Ⓢ Symbol required.
• 2030 Caproic Acid Synthetic	OUV3-T6BASFJ	Pareve	Ⓢ Symbol required.
• 2031 Caprylic Acid Synthetic	OUV3-GQNJTGH	Pareve	Ⓢ Symbol required.
• 2033 Cyclotene Anhydrous Synthetic	OUV3-4RRAHIN	Pareve	Ⓢ Symbol required.
• 2034 Methyl 3 Nonenoate Synthetic	OUV3-GL4L9MX	Pareve	Ⓢ Symbol required.
• 2038 Dimethyl Benzyl Carbinyl Butyr	OUV3-KPY4GTQ	Pareve	Ⓢ Symbol required.
• 2039 Ethyl 3 Hydroxy Butyrate Synthetic	OUV3-9S JL49F	Pareve	Ⓢ Symbol required.
• 2040 Ethyl Maltol Synthetic	OUV3-8BJCWPU	Pareve	Ⓢ Symbol required.
• 2048 Lactic Acid Synthetic	OUV3-JXFUJRN	Pareve	Ⓢ Symbol required.

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Page 3 of 15



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Advanced Biotech Inc. (continued)

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 2049 Lauric Acid Synthetic	OUV3-RYZKDN7	Pareve	Ⓢ Symbol required.
• 2050 Acetaldehyde 50% In 5 Fold Orange Oil Synthetic	OUV3-LWDTMKY	Pareve	Ⓢ Symbol required.
• 2052 Palmitic Acid Synthetic	OUV3-XU4C8SU	Pareve	Ⓢ Symbol required.
• 2055 Propenyl Guaethol Synthetic	OUV3-HENDOBL	Pareve	Ⓢ Symbol required.
• 2057 Pulegone Mercaptan Synthetic	OUV3-SXATZ35	Pareve	Ⓢ Symbol required.
• 2058 Raspberry Ketone Synthetic	OUV3-MAAJXRQ	Pareve	Ⓢ Symbol required.
• 2059 Strawberry Furanone Synthetic	OUV3-MGIKWHI	Pareve	Ⓢ Symbol required.
• 2060 Triethyl Citrate Synthetic	OUV3-GZM2MXY	Pareve	Ⓢ Symbol required.
• 2063 Vanillin Synthetic	OUV3-XLEU50G	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 2068 Furanone 10% Pg Synthetic	OUV3-4KMFWDI	Pareve	Ⓢ Symbol required.
• 2068 Strawberry Furanone 10%	OUV3-NL7HJDJ	Pareve	Ⓢ Symbol required.
• 2069 Furanone 12% Pg Synthetic	OUV3-AJEKETM	Pareve	Ⓢ Symbol required.
• 2070 Furanone 15% Pg Synthetic	OUV3-LTLTUXR	Pareve	Ⓢ Symbol required.
• 2071 Furanone 20% Pg Synthetic	OUV3-8OEDNY8	Pareve	Ⓢ Symbol required.
• 2072 Furanone 25% Pg Synthetic	OUV3-8QLAQ15	Pareve	Ⓢ Symbol required.
• 2072 Furanone 25% Pg Synthetic	OUV3-TTHTJKD	Pareve	Ⓢ Symbol required.
• 2073 Acetaldehyde 50% In Benzyl Benzoate Synthetic	OUV3-WH5E9QA	Pareve	Ⓢ Symbol required.
• 2076 Ethyl Furanone 10% Pg Synthetic	OUV3-JCLKFXI	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 2078 6 Methyl Coumarin Synthetic	OUV3-204QKPU	Pareve	Ⓢ Symbol required.
• 2079 Caramel Furanone Synthetic	OUV3-5FCZODT	Pareve	Ⓢ Symbol required.
• 2081 Acetaldehyde 60% In Pg Syn.	OUV3-KQFCH9W	Pareve	Ⓢ Symbol required.
• 2085 Mesifuran Synthetic	OUV3-YJFNWA2	Pareve	Ⓢ Symbol required.
• 2088 4 Methyl Guaiacol Synthetic	OUV3-NPPHKFV	Pareve	Ⓢ Symbol required.
• 2093 Maple Furanone Synthetic	OUV3-ARFHFMZ	Pareve	Ⓢ Symbol required.
• 2094 Methyl Caproate Synthetic	OUV3-MIL3FB0	Pareve	Ⓢ Symbol required.
• 2096 Chicory Furanone 5% Pg Synthetic	OUV3-KA6VFRV	Pareve	Ⓢ Symbol required.
• 2098 Ethyl Oleate Synthetic	OUV3-YG9RFV8	Pareve	Ⓢ Symbol required.

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Page 6 of 15



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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 2099 Caramel Furanone 3% Pg Synthetic	OUV3-HGYJK0C	Pareve	Ⓢ Symbol required.
• 2103 Methyl Salicylate Synthetic	OUV3-RHW3FTP	Pareve	Ⓢ Symbol required.
• 2104 Furfuryl Alcohol Synthetic	OUV3-GWKX7NF	Pareve	Ⓢ Symbol required.
• 2105 Maltol 5% In Lactic Acid Solut	OUV3-GWNYHPU	Pareve	Ⓢ Symbol required.
• 2109 Acetaldehyde 50% In Orange Oil Synthetic	OUV3-QITPCE6	Pareve	Ⓢ Symbol required.
• 2110 Furanone 3% Oil Soluble	OUV3-Q5WPQVI	Pareve	Ⓢ Symbol required.
• 2111 Thiogeraniol Synthetic	OUV3-5XNM0V2	Pareve	Ⓢ Symbol required.
• 2114 Mesifuran 20% Pg Synthetic	OUV3-IDJLATX	Pareve	Ⓢ Symbol required.
• 2116 Gamma Valerolactone Synthetic	OUV3-1CHM0GE	Pareve	Ⓢ Symbol required.

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Page 7 of 15



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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 2117 Maple Furanone 3% Pg Synthetic	OUV3-8IOFGVK	Pareve	Ⓢ Symbol required.
• 2119 Amberol	OUV3-FQSFMT	Pareve	Ⓢ Symbol required.
• 2220 Maltol Isobutyrate Synthetic	OUV3-G62SWD5	Pareve	Ⓢ Symbol required.
• 2221 Koolada-ml Synthetic	OUV3-GW6NMN6	Pareve	Ⓢ Symbol required.
• 2223 Diethyl Succinate Synthetic	OUV3-GACVN5K	Pareve	Ⓢ Symbol required.
• 2224 Dimethyl Succinate Synthetic	OUV3-EWYV9SP	Pareve	Ⓢ Symbol required.
• 2225 Phenyl Ethyl Isothiocyanate Synthetic	OUV3-UASHYIH	Pareve	Ⓢ Symbol required.
• 2226 Chicory Furanone Synthetic	OUV3-YHI3SUU	Pareve	Ⓢ Symbol required.
• 2227 Ethyl Furanone Synthetic	OUV3-XI4OOQJ	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 2228 Pyruvic Acid Synthetic	OUV3-APRLECY	Pareve	Ⓢ Symbol required.
• 2230 Methyl Mercaptan 10% Tec Syn.	OUV3-LR2FTE7	Pareve	Ⓢ Symbol required.
• 2231 Methyl Mercaptan Synthetic	OUV3-RUHCM3G	Pareve	Ⓢ Symbol required.
• 2232 Trithioacetone Synthetic	OUV3-IJODOMT	Pareve	Ⓢ Symbol required.
• 2233 Benzo Dihydropyrone Synthetic	OUV3-YFNJCSR	Pareve	Ⓢ Symbol required.
• 2234 Melon Aldehyde Synthetic	OUV3-BCN6XRV	Pareve	Ⓢ Symbol required.
• 2235 Ethyl 3 Hydroxy Caproate Synthetic	OUV3-ND8KYQV	Pareve	Ⓢ Symbol required.
• 2236 Ethyl Acetate Synthetic	OUV3-Q9014IX	Pareve	Ⓢ Symbol required.
• 2237 Furanone Acetate Synthetic	OUV3-DOVR1SX	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 2238 Triacetin Synthetic	OUV3-L1HNMJ3	Pareve	Ⓢ Symbol required.
• 2239 1-octen-3-ol Synthetic	OUV3-28DU3Q2	Pareve	Ⓢ Symbol required.
• 2241 Ethyl Furanone 20% Pg Synthetic	OUV3-IB8D4CT	Pareve	Ⓢ Symbol required.
• 2242 5 7 Dihydro 2-methylthieno 3,4 Pyrimidine 0.1% In Etoh Synthetic	OUV3-X1A21TU	Pareve	Ⓢ Symbol required.
• 2246 Walnut Furanone Synthetic	OUV3-LX6RN7F	Pareve	Ⓢ Symbol required.
• 2247 5 Methyl-2-hepten-4-one Synthetic	OUV3-GHJMQGN	Pareve	Ⓢ Symbol required.
• 2248 Grape Methyl Anthranilate	OUV3-KOA9YUC	Pareve	Ⓢ Symbol required.
• 2249 Phenyl Ethyl Acetate	OUV3-IX0J5VX	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 2250 Phenyl Ethyl Alcohol Syn.	OUV3-MX9KRKC	Pareve	Ⓢ Symbol required.
• 2251 Trans 2 Hexenal Synthetic	OUV3-YQS90DT	Pareve	Ⓢ Symbol required.
• 2253 Whiskey Lactone Synthetic	OUV3-8EET8EF	Pareve	Ⓢ Symbol required.
• 2254 Beta Damascenone Syn.	OUV3-3SBFQCK	Pareve	Ⓢ Symbol required.
• 2254 Beta Damascenone Synthetic	OUV3-BU4JPRE	Pareve	Ⓢ Symbol required.
• 2255 Koolada-3 Synthetic	OUV3-QXP1NWI	Pareve	Ⓢ Symbol required.
• 2256 Triplal Synthetic	OUV3-KKM0LK5	Pareve	Ⓢ Symbol required.
• 2257 Butyl Butyryl Lactate Synthetic	OUV3-4QWKYE6	Pareve	Ⓢ Symbol required.
• 2258 Furanone 20% Etoh Synthetic	OUV3-FQPXTSI	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 2259 Koolada-23 Synthetic	OUV3-ZQO2IEN	Pareve	Ⓢ Symbol required.
• 2262 Koolada - Obma Syn.(isopulego	OUV3-WGZ93TX	Pareve	Ⓢ Symbol required.
• 2263 Gamma Dodecalactone Syn.	OUV3-GW2ZV9M	Pareve	Ⓢ Symbol required.
• 2264 Aldegen Liquid Synthetic	OUV3-MGAE0KS	Pareve	Ⓢ Symbol required.
• 2265 Beta Damascone Synthetic	OUV3-DUGKJBA	Pareve	Ⓢ Symbol required.
• 2267 Succinic Acid Synthetic	OUV3-DOCHEKG	Pareve	Ⓢ Symbol required.
• 2268 Alpha Terpineol Synthetic	OUV3-YI5SIBW	Pareve	Ⓢ Symbol required.
• 2269 Heliotropine Synthetic	OUV3-PYQ4LRS	Pareve	Ⓢ Symbol required.
• 2270 Butter Enhancer Synthetic	OUV3-8KEY62G	Pareve	Ⓢ Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 2271 Aldegen Powder Synthetic	OUV3-MGUSIAE	Pareve	Ⓢ Symbol required.
• 2273 Artificial Flavors (fixolide)	OUV3-NISPE6M	Pareve	Ⓢ Symbol required.
• 2275 Florial Synthetic	OUV3-4NA0IYX	Pareve	Ⓢ Symbol required.
• 2276 Artificial Flavors (dark Base)	OUV3-NOQK8EF	Pareve	Ⓢ Symbol required.
• 2277 Alpha Damascone Synthetic	OUV3-OSIMXPE	Pareve	Ⓢ Symbol required.
• 2278 2 Methyl Butyric Acid Synthetic	OUV3-LN6MXRF	Pareve	Ⓢ Symbol required.
• 2279 Ethyl 2 Methylbutyrate Synthetic	OUV3-2NIELW9	Pareve	Ⓢ Symbol required.
• 2280 Delta Undecalactone Synthetic	OUV3-HWJHV9H	Pareve	Ⓢ Symbol required.
• 2283 Ethyl Furanone 20% In Triacetin Synthetic	OUV3-XQLVTRQ	Pareve	Ⓢ Symbol required.

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Page 13 of 15



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Product Name	UKD-ID	Status	Certification Requirements
Brand: Advanced Biotech (continued)			
• 2287 Gamma Butyrolactone Synthetic	OUV3-IDIBSGC	Pareve	Ⓢ Symbol required.
• 2288 Methyl Caprylate Synthetic	OUV3-VH4R6VS	Pareve	Ⓢ Symbol required.
• 2289 Cis 3 Hexenol Synthetic	OUV3-ICPQ1SH	Pareve	Ⓢ Symbol required.
• 2290 Cis 3 Hexenyl Acetate Synthetic	OUV3-CCYNU16	Pareve	Ⓢ Symbol required.
• 2291 Cis 3 Hexenyl Salicylate Synthetic	OUV3-O1GVNA7	Pareve	Ⓢ Symbol required.
• 2292 Cis 3 Hexenyl Butyrate Synthetic	OUV3-4LSA4PJ	Pareve	Ⓢ Symbol required.
• 2293 Muskeynone	OUV3-97F2VJC	Pareve	Ⓢ Symbol required.
• 2298 Koolada 12 Synthetic	OUV3-1TRTWVB	Pareve	Ⓢ Symbol required.
• 2299 Koolada Mms Synthetic	OUV3-ENMKFGJ	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



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)			
• 2301 SUCCINIC ACID CRYSTALS SYNTHETIC	OUV3-FEMUFX2	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

Page 15 of 15