

Kosher Certificate



KC#13305-1

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Rabbi Sholom H. Adler
Senior Kashrus Administrator

Rabbi Yehuda Goldman
Chief Executive Officer

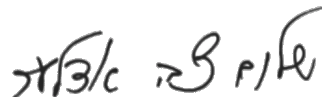
11 Nisan, 5784
April 19, 2024



WholeChem Blends LLC
9900 Durand Ave
Sturtevant, WI 53177 USA

The following products manufactured by WholeChem Blends LLC are certified Kosher with the listed restrictions.

Name	VKD	Status	Notes	Restriction
(+/-)-TRANS,CIS-2-HEXENAL PROPYLENE GLYCOL ACETAL CAS 94089-21-1 FEMA 4272	EKGC1Z2AMP	Pareve		Symbol Required
(S)-(-)-β-Citronellol (CAS 7540-51-4, FEMA 2309 Batch # 20220816-533.	EKUM94KTYX	Pareve		Lot Specific
(S)-(-)-β-Citronellol (CAS 7540-51-4, FEMA 2309)	EK80H0AS8T	Pareve		Symbol Required
1,3-Diphenyl-2-Propanone (CAS 102-04-5, FEMA 2397)	EKC8TT0DNW	Pareve		None
1,6-Hexanedithiol (CAS 1191-43-1, FEMA 3495)	EKLPH9QFOX	Pareve		Symbol Required
1-Methylbutyl Acetate (CAS 626-38-0, FEMA 4012)	EK4CFDX217	Pareve		Symbol Required
1-Propanol, 99% min, Kosher (CAS 71-23-8, FEMA 2928)	EKPQB4D7J4	Pareve		None
2'-Aminoacetophenone (CAS 551-93-9, FEMA 3906)	EKGP7Y3GUQ	Pareve		Symbol Required
2(10)-Pinen-3-ol (CAS 5947-36-4, FEMA 3587)	EK6745S24U	Pareve		None
2,3,5,6-Tetramethylpyrazine (CAS 1124-11-4, FEMA 3237)	EKV32PQA8F	Pareve		Symbol Required



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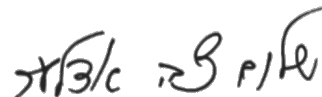
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2,3,5,6-Tetramethylpyrazine, Natural	EKMKE70HF	Pareve		None
2,3,5-Trimethylpyrazine (CAS 14667-55-1, FEMA 3244)	EKG80V11C4	Pareve		Symbol Required
2,3,5-Trimethylpyrazine, Natural	EKOFLVKMQM	Pareve		None
2,3,6-trimethylphenol	EK1KHNO0T7	Pareve		Symbol Required
2,3,6-Trimethylphenol (CAS 2416-94-6, FEMA 3963)	EK2O8U5635	Pareve		Symbol Required
2,4,5-Trimethylthiazole (CAS 13623-11-5, FEMA 3325)	EKY5NKR8I1	Pareve		None
2,4-Dihydroxybenzoic Acid (CAS 89-86-1, FEMA 3798)	EK454LKEZ0	Pareve		None
2,5-Dimethyl-3(2H)-Furanone, Synthetic (CAS 14400-67-0, FEMA 4101)	EK31HQTJQR	Pareve		Symbol Required
2,5-Dimethylfuran (CAS 625-86-5, FEMA 4106)	EKHALN7U22	Pareve		Symbol Required
2,5-Dimethylpyrazine, Natural (CAS 123-32-0, FEMA 3272)	EKKYM6IM2I	Pareve		None



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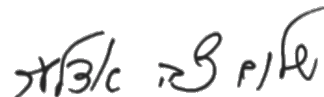
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2-(3-Phenylpropyl) Pyridine (CAS 2110-18-1, FEMA 3751)	EK80QY7NR8	Pareve		Symbol Required
2-Acetylfuran, Natural (CAS 1192-62-7, FEMA 3163)	EKFKKCGNIU	Pareve		Symbol Required
2-Butanone (CAS 78-93-3, FEMA 2170)	EKGY8NOLK6	Pareve		Symbol Required
2-Ethyl-1-Hexanol (CAS 104-76-7, FEMA 3151)	EKSEKM0F2P	Pareve		Symbol Required
2-Ethyl-3,(5 or 6)-Dimethylpyrazine, Natural (CAS 27043-05-6; 13925-07-0; 55031-15-7; 13360-65-1, FEMA 3149)	EKDRLT0638	Pareve		Symbol Required
2-Ethylhexyl Acetate	EK55E3TVPN	Pareve		Symbol Required
2-Ethylhexyl Salicylate (CAS 118-60-5)	EKV08V9BCH	Pareve		None
2-Furyl Methyl Ketone (CAS 1192-62-7, FEMA 3163)	EKKZGVHDVI	Pareve		Symbol Required
2-Isopropylphenol (CAS 88-69-7, FEMA 3461)	EKOQ8QPQRG	Pareve		Symbol Required
2-METHOXY PYRIDINE (CAS 1628-89-3, FEMA 4639)	EKD9ZR29X7	Pareve		Symbol Required



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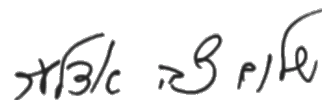
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Name	VKD	Status	Notes	Restriction
2-Methoxy-4-Vinylphenol	EKPTUNIMN7	Pareve		Symbol Required
2-Methoxy-4-vinylphenol, Natural, 1% in PG	EK4LPV82MS	Pareve		Symbol Required
2-Methyl-4-Propyl-1,3-Oxathiane (CAS 67715-80-4, FEMA 3578)	EKETZFWXJD	Pareve		None
3,5,5-Trimethylhexanal (CAS 5435-64-3, FEMA 3524)	EKA20SWF5D	Pareve		Symbol Required
3,5-Dimethyl-1,2-Cyclopentadione (CAS 13494-07-0, FEMA 3269)	EKCXY8E02R	Pareve		Symbol Required
3-(Methylthio)Butanal (CAS 16630-52-7, FEMA 3374)	EK99EB5NH9	Pareve		None
3-Decen-2-one (CAS 10519-33-2, FEMA 3532)	EK8AJ4LOR2	Pareve		Symbol Required
3-Methyl-2-Buten-1-ol (CAS 556-82-1)	EKBMNPXWHF	Pareve		None
3-Methyl-2-Butenal (CAS 107-86-8, FEMA 3646)"	EKP2QGU0FA	Pareve		None
3-Penten-2-one (CAS 625-33-2, FEMA 3417)	EK6X2MM4QH	Pareve		Symbol Required



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3-Propylideneophthalide (CAS 17369-59-4, FEMA 2952)	EKJTGf3BAR	Pareve		None
4-Methyl-1-phenyl-2-pentanone	EK4WBZW1YR	Pareve		Symbol Required
4-METHYL-2-PENTYL-1,3-DIOXOLANE, mixed isomers CAS 1599-49-1 FEMA 3630	EKFYN4ZD9F	Pareve		Symbol Required
4-Methyl-3-Penten-2-one (CAS 141-79-7, FEMA 3368)	EK2SWZF9JS	Pareve		Symbol Required
4-Oxoisophorone (CAS 1125-21-9, FEMA 3421)	EKOTKSQQCF	Pareve		None
5-Methyl-2-Hepten-4-one (CAS 81925-81-7, FEMA 3761)	EKZG3O9D8L	Pareve		None
5-Methyl-2-Phenyl-2-Hexenal (CAS 21834-92-4, FEMA 3199).	EK7KL1KYUO	Pareve		Symbol Required
6-Amyl Alpha Pyrone (CAS 27593-23-3; FEMA 3696)	EKSC0YLPEH	Pareve		Symbol Required
Acetaldehyde, 50% in EtOH	EKBKVVWQ0RN	Pareve		Symbol Required
Acetoin, Natural CAS 513-86-0 FEMA 2008	EK969QKBL5	Pareve		Symbol Required

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Name	VKD	Status	Notes	Restriction
Acetyl Butyryl, Natural (CAS 3848-24-6, FEMA 2558)	EKGQ5TRT6P	Pareve		Symbol Required
Acetyl Propionyl (CAS 600-14-6, FEMA 2841)	EKDGE9HZC8	Pareve		Symbol Required
Acetyl Propionyl, Natural (CAS 600-14-6, FEMA 2841)	EKP2436KWM	Pareve		Symbol Required
Aldehyde C-20 (CAS 52788-71-3)	EK2OEXIXB0	Pareve		Symbol Required
Allyl Butyrate (CAS 2051-78-7, FEMA 2021)	EKDFU9SYZL	Pareve		Symbol Required
Allyl Caprylate (CAS 4230-97-1, FEMA 2037)	EKNMS9111I	Pareve		Symbol Required
Almond Oil, Bitter, Natural (CAS 8013-76-1, FEMA 2046)	EK2Y4UABJB	Pareve		Symbol Required
Alpha Terpinene (CAS 99-86-5, FEMA 3558)	EKY8OVJ3MT	Pareve		Symbol Required
alpha-Ionone, Natural (CAS 127-41-3, FEMA 2594)	EKZAY14Y0C	Pareve		Symbol Required
alpha-Phellandrene (CAS 99-83-2, FEMA 2856)	EKD01AP81D	Pareve		Symbol Required

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Name	VKD	Status	Notes	Restriction
Anisole	EKF519DK8L	Pareve		Symbol Required
Anisyl Alcohol, Natural (CAS 105-13-5, FEMA 2099)	EKC6SL23GE	Pareve		Symbol Required
Anisyl Alcohol, Natural (CAS 105-13-5, FEMA 2099)	EK0ZGS6TU0	Pareve		Symbol Required
Benzaldehyde, Natural (CAS 100-52-7, FEMA 2127)	EK8PQWO5PP	Pareve		Symbol Required
Benzyl Benzoate, FCC (CAS 120-51-4, FEMA 2138)	EKIRQUZ5MY	Pareve		Symbol Required
beta-Ionone Epoxide (CAS 23267-57-4, FEMA 4144)	EKH36YQVPS	Pareve		None
Butter Acids, Natural (85536-25-0, FEMA 2171)	EK7ZE7S152	Pareve		Symbol Required
Butyl Lactate, Kosher (CAS 138-22-7; FEMA 2205)	EKL188VLQM	Pareve		Symbol Required
Caffeine, Natural, Anhydrous, USP (CAS 58-08-2, FEMA 2224)	EKMH8311WU	Pareve		Symbol Required
Capric Acid, Natural (334-48-5, FEMA 2364)	EK3KEWR454	Pareve		Symbol Required

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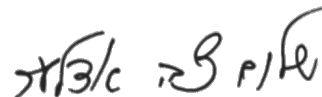


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Caprylic Acid, Natural (CAS 124-07-2, FEMA 2799)	EKOBL9B2IA	Pareve		Symbol Required
Caprylic Acid, Natural (CAS 124-07-2, FEMA 2799)	EKPISZQL7L	Pareve		Symbol Required
Cinnamic Acid (CAS 140-10-3, FEMA 2288)	EKMTAF329W	Pareve		Symbol Required
Cinnamic Acid, Natural (CAS 140-10-3, FEMA 2288)	EK6B6E92JO	Pareve		Symbol Required
Cinnamic Aldehyde, Natural (CAS 104-55-2, FEMA 2286)	EKNE667MLG	Pareve		Symbol Required
cis-3-Hexenyl Anthranilate (CAS 65405-76-7, FEMA 3925)	EKNXOY8ZV3	Pareve		None
cis-3-Hexenyl Formate (CAS 33467-73-1, FEMA 3171)	EKNG0YFY7V	Pareve		Symbol Required
cis-3-Hexenyl Lactate (CAS 61931-81-5, FEMA 3690)	EKSYPUELQ2	Pareve		Symbol Required
cis-6-Nonenal (CAS 2277-19-2, FEMA 3580)	EKLW9A956W	Pareve		Symbol Required
cis-6-Nonenol (CAS 35854-86-5, FEMA 3465)	EKVQBTI4Y7	Pareve		None



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Name	VKD	Status	Notes	Restriction
Citronellyl Acetate (CAS 150-84-5, FEMA 2311)	EKBMSPXWIE	Pareve		None
Coumarin (CAS 91-64-5)	EKCR52JJBA	Pareve		Symbol Required
Cyclohexanone (CAS 108-94-1, FEMA 3909)	EKBO876LYI	Pareve		None
Cyclopentanone (CAS 120-92-3, FEMA 3910)	EKBRLAO1FB	Pareve		Symbol Required
D-Camphor, Natural (CAS 464-49-3, FEMA 2230)	EKUJFV4WGV	Pareve		None
Delta Tetradecalactone (CAS 2721-22-4, FEMA 3590)	EKW77VJHXT	Pareve		Symbol Required
Delta Tetradecalactone, Natural	EKH6A1XDXJ	Pareve		Symbol Required
Delta Tridecalactone (CAS 7370-92-5, FEMA 4685)	EKWBPRH4SB	Pareve		None
Diacetyl (CAS 431-03-8, FEMA 2370)	EK2KASKCF9	Pareve		Symbol Required
Diacetyl, Natural (CAS 431-03-8, FEMA 2370)	EKM68ZTCP5	Pareve		Symbol Required

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Difurfuryl Ether (CAS 4437-22-3, FEMA 3337)	EKYG3TI5IT	Pareve		Symbol Required
Dimethyl Benzyl Carbonyl Butyrate (CAS 10094-34-5, FEMA 2394)	EK6MBLLGZG	Pareve		None
DL-Vitamin U Chloride (CAS 3493-12-7, FEMA 3445)	EK4IXNGNQ5	Pareve		Symbol Required
Ethanethiol (CAS 75-08-1, FEMA 4258)	EKN280ERMX	Pareve		None
Ethyl 2-aminobenzoate (CAS 87-25-2, FEMA 2421)	EKY6I4TRR5	Pareve		Symbol Required
ETHYL 5-HYDROXYDECANOATE, CAS 75587-06-3, FEMA 4444	EKLSJBZG9E	Pareve		Symbol Required
Ethyl Acrylate (CAS 140-88-5, FEMA 2418)	EK30OW77Z0	Pareve		Symbol Required
Ethyl Alcohol P-190 High Purity Kosher	EKXM4LLE5H	Pareve		Symbol Required
Ethyl Cyclopentenolone, Natural (CAS 21835-01-8, FEMA 3152)	EKPYBJD7VX	Pareve		None
Ethyl p-Anisate	EKD42JLV0F	Pareve		Symbol Required

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ETHYL PROPYL DISULPHIDE, CAS 30453-31-7, FEMA 4041	EKRKLI88M3	Pareve		Symbol Required
Ethyl Tiglate (CAS 5837-78-5, FEMA 2460)	EKEO4BGMXT	Pareve		None
Ethyl-3-Hydroxybutyrate (CAS 5405-41-4, FEMA 3428)	EK68G9RNBB	Pareve		None
Ferulic Acid, Natural (CAS 1135-24-6)	EK2OIVWT8M	Pareve		Symbol Required
Furfuryl Isopropyl Sulfide (CAS 1883-78-9, FEMA 3161)	EK01YAJKZX	Pareve		None
Gamma Butyrolactone (CAS 96-48-0, FEMA 3291)	EK93RNFN4S	Pareve		Symbol Required
Gamma Octalactone	EKT0XZCQDF	Pareve		Symbol Required
Gamma Octalactone, Natural (CAS 104-50-7, FEMA 2796)	EKXZPDGYJB	Pareve		Symbol Required
Garlic Oil, Chinese (CAS 8000-78-0, FEMA 2503)	EK9496MRW1	Pareve		Symbol Required
Hexyl Acetate, Natural (CAS 142-92-7, FEMA 2565)	EK580OTATX	Pareve		Symbol Required

Handwritten signature of Rabbi Sholom H. Adler

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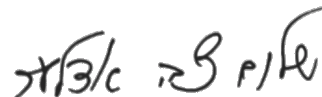
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Isoeugenol, Natural (CAS 97-54-1, FEMA 2468)	EKBW7LSCNW	Pareve		Symbol Required
Isophorone (CAS 78-59-1, FEMA 3553)	EKIK2RBAKE	Pareve		Symbol Required
L-Nicotine EP/USP (CAS 54-11-5)	EKEXJZFLHR	Pareve		Symbol Required
Lactic Acid (CAS 79-33-4, FEMA 2611)	EKVUQ5PYQ3	Pareve		Symbol Required
Linalool Oxide (CAS 1365-19-1, FEMA 3746)	EKU4PT3W54	Pareve		Symbol Required
Linalyl Anthranilate, Food Grade (CAS 7149-26-0, FEMA 2637)	EKX09M1BLX	Pareve		Symbol Required
Linoleic Acid (CAS 60-33-3, FEMA 3380)	EKP8F9YA45	Pareve		Symbol Required
m-Cresol (CAS 108-39-4, FEMA 3530)	EKM67BU5HC	Pareve		Symbol Required
Maltol, Natural (CAS 118-71-8, FEMA 2656)	EK79J644TR	Pareve		Symbol Required
Maltol, Natural (CAS 118-71-8, FEMA 2656)	EKFGMJZ15J	Pareve		Symbol Required



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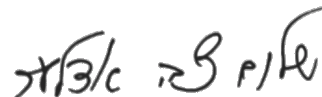


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Massoia Lactone (CAS 54814-64-1, FEMA 3744)	EK4UFNHZQ0	Pareve		Symbol Required
Medium Chain Triglycerides	EKUV1G9T7L	Pareve		Symbol Required
Methional (CAS 3268-49-3 FEMA 2747)	EKGKAY6PIL	Pareve		Symbol Required
Methional, Natural, 5% in Ethanol	EK8VYK6NMT	Pareve		Symbol Required
METHOXY-2-METHYL-2-BUTANETHIOL,4- 1PPM IN DPG	EK13ZHEBEM	Pareve		Symbol Required
Methyl Anisate (CAS 121-98-2, FEMA 2679)	EK5U4NGT5J	Pareve		Symbol Required
Methyl Cinnamate, Natural CAS 103-26-4 FEMA 2698	EKGW4M7LQ7	Pareve		None
Methyl Cyclopentenolone (CAS 80-71-7 FEMA 2700)	EK8CLKOXY4	Pareve		Symbol Required
Methyl Dihydrojasmonate (CAS 24851-98-7, FEMA 3408)	EKZ5T2AN1O	Pareve		Symbol Required
Methyl Nicotinate (CAS 93-60-7, FEMA 3709)	EKO29RGW8Z	Pareve		Symbol Required



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Name	VKD	Status	Notes	Restriction
Methyl Palmitate	EKJF91BEOT	Pareve		Symbol Required
METHYL VALERATE, CAS 624-24-8, FEMA 2752	EKSP782LKD	Pareve		Symbol Required
METHYL-4-MERCAPTOPENTAN-2-ONE 1PPM IN TEC	EKO0CYW8S7	Pareve		Symbol Required
Milk Lactone (CAS 72881-27-7; FEMA 3742)	EKS9D6P9I2	Pareve		Symbol Required
Mint Lactone (CAS 13341-72-5, FEMA 3764)	EKOE8COKBE	Pareve		Symbol Required
n-Decyl-n-Caprato (CAS 1654-86-0)	EKFO65S6KU	Pareve		Symbol Required
NATURAL FLAVOR ENHANCER	EKXAPYB52M	Pareve		Symbol Required
o-Methoxycinnamaldehyde (CAS 1504-74-1, FEMA 3181)	EKBVN1LKVX	Pareve		None
p-Cresol	EK8AY6B0UH	Pareve		Symbol Required
Peppermint Oil	EKVEQ0HNZM	Pareve		Symbol Required

Rabbi Sholom H. Adler, Senior Kashrus Administrator

Kosher Certificate



KC#13305-15

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Rabbi Sholom H. Adler
Senior Kashrus Administrator

Rabbi Yehuda Goldman
Chief Executive Officer

11 Nisan, 5784
April 19, 2024



WholeChem Blends LLC
9900 Durand Ave
Sturtvent, WI 53177 USA

The following products manufactured by WholeChem Blends LLC are certified Kosher with the listed restrictions.

Name	VKD	Status	Notes	Restriction
Phenethyl-2-Methylbutyrate (CAS 24817-51-4, FEMA 3632)	EKCF9GX4TM	Pareve		None
Phytol (CAS 7541-49-3, FEMA 4196)	EKW23151DA	Pareve		Symbol Required
Piperine, Natural CAS 94-62-2 FEMA 2909	EK89SUXUNX	Pareve		None
Potassium Hydroxide, 90% Flake (CAS 1310-58-3)	EKN601W6KH	Pareve		Symbol Required
Propanol, Natural (CAS 71-23-8, FEMA 2928)	EKJMICIXFT	Pareve		Symbol Required
Propanol, Natural (CAS 71-23-8, FEMA 2928)	EK8QZX5UWX	Pareve		Symbol Required
Propiophenone (CAS 93-55-0)	EKD03QCCQU	Pareve		Symbol Required
Propylene Glycol, FCC (CAS 57-55-6, FEMA 2940)	EKVI4W64CH	Pareve		Symbol Required
Pyroligneous Acid, Natural CAS 8030-97-5 FEMA 2967	EKCTQMLJ2K	Pareve		Symbol Required
Pyruvic Acid (CAS 127-17-3, FEMA 2970)	EK6IR7VAND	Pareve		Symbol Required

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Kosher Certificate



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Rabbi Sholom H. Adler
Senior Kashrus Administrator

Rabbi Yehuda Goldman
Chief Executive Officer

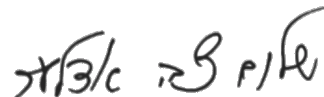
11 Nisan, 5784
April 19, 2024



WholeChem Blends LLC
9900 Durand Ave
Sturtvent, WI 53177 USA

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Name	VKD	Status	Notes	Restriction
Quinine Hydrochloride (CAS 6119-47-7, FEMA 2976)	EKHBBND2SR	Pareve		Symbol Required
S)-(-)-β-Citronellol (CAS 7540-51-4, FEMA 2309)	EKZU9SX4SF	Pareve		Symbol Required
Sclareolide, Natural (CAS 564-20-5, FEMA 3794)	EKSA0CMP8P	Pareve		Symbol Required
Sinensal Ex Orange, Natural CAS 17909-77-2 FEMA 2825	EKO6DPFRZ1	Pareve		Symbol Required
Sodium 2-(4-Methoxyphenoxy) Propionate (CAS 150436-68-3, FEMA 3773)	EKGILL8DLN	Pareve		None
Sodium Gluconate FCC (CAS 527-07-1, FEMA 4934)	EKO3SK4KTB	Pareve		None
Styrallyl Isobutyrate (CAS 7775-39-5, FEMA 2687)	EK1N4407LD	Pareve		Symbol Required
Sulfurool, Natural (Meat Odor) 10% in Ethanol	EKGD3C83RJ	Pareve		Symbol Required
Sunflower Lecithin Liquid (CAS 8002-43-5)	EK5NBD0XJ6	Pareve		Symbol Required
Tetrahydrofurfuryl Alcohol (CAS 97-99-4, FEMA 3056)	EKNYA1GR5I	Pareve		Symbol Required



Rabbi Sholom H. Adler, Senior Kashrus Administrator

Kosher Certificate



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Rabbi Sholom H. Adler
Senior Kashrus Administrator

Rabbi Yehuda Goldman
Chief Executive Officer

11 Nisan, 5784
April 19, 2024

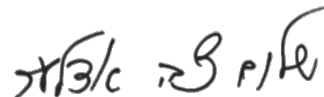


WholeChem Blends LLC

9900 Durand Ave
Sturtevant, WI 53177 USA

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Name	VKD	Status	Notes	Restriction
THAUMATIN, NATURAL	EKRF7329AU	Pareve		None
Tiglic Acid (CAS 80-59-1, FEMA 3599)	EK220F6TCU	Pareve		Symbol Required
Tiglic Aldehyde (CAS 497-03-0, FEMA 3407)	EK9TXUJB16	Pareve		Symbol Required
TRANS-2-HEXENAL CAS 6728-26-3 FEMA 2560	EKDI3SYDF7	Pareve		Symbol Required
Trans-2-Methyl-2-pentenoic acid (CAS 16957-70-3, FEMA 3195)	EK6QJDZUTC	Pareve		Symbol Required
Triethyl Citrate, Natural	EK32PJJWVB	Pareve		Symbol Required
Valeraldehyde (CAS 110-62-3, FEMA 3098)	EKNTRCJBWB	Pareve		Symbol Required
Vegetable Glycerin, 99.5% ex Palm (CAS 56-81-5, FEMA 2525)	EKT911YAV0	Pareve		Symbol Required
Vegetable Glycerin, 99.7% USP, K (CAS 56-81-5 FEMA 2525)	EKU4GLCPIE	Pareve		Symbol Required
Vitamin E Acetate, USP, Kosher (DL-alpha-Tocopheryl Acetate USP Grade)	EKUZLWE40G	Pareve		Symbol Required



Rabbi Sholom H. Adler, Senior Kashrus Administrator



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Rabbi Sholom H. Adler
Senior Kashrus Administrator

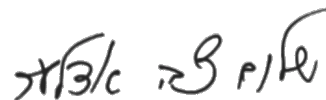
Rabbi Yehuda Goldman
Chief Executive Officer

11 Nisan, 5784
April 19, 2024

WholeChem Blends LLC
9900 Durand Ave
Sturtvent, WI 53177 USA

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Name	VKD	Status	Notes	Restriction
Whiskey Lactone (CAS 39212-23-2; FEMA 3803)	EKWSUGOQ2U	Pareve		None



Rabbi Sholom H. Adler, Senior Kashrus Administrator