

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

TIC Gums, Inc., 4609 Richlynn Drive, Belcamp, MD 21017

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: ® Stabilizer			
• STAB DF-866 TIC Pretested® Stabilizer DF-866 Powder	OUV3-DBB24C5	Pareve	① Symbol required.
Brand: Add-Here®			
• 4300 P	OUV3-3BD8C53	Pareve	(U) Symbol required.
• ADHR 4300-P	OUV3-95D0F93	Pareve	(U) Symbol required.
• ADHR NC	OUV3-E8D05A4	Pareve	(U) Symbol required.
• ADHR-CSA Add-Here CSA	OUV3-B5A9339	Pareve	(U) Symbol required.
• ADHR-CSA Add-Here® CSA	OUV3-OT4EO8R	Pareve	(U) Symbol required.
• CSA NGMO Int	OUV3-81330FF	Pareve	(U) Symbol required.
• Vegetable Blends	OUV3-945F259	Pareve	① Symbol required.
Brand: Agaroid			
• Agaroid® OG 300	OUV3-3354E89	Pareve	U Symbol required.

Brand: Aragum

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This certification is valid through 12/31/2018

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Aragum (continued)			_
• ARAG 1067 T SS Aragum® 1067 T SS Powder	OUV3-D2EF64D	Pareve	① Symbol required.
• ARAG T-1998 Aragum® T-1998 Powder	OUV3-2805E91	Pareve	① Symbol required.
• Aragum® 3173	OUV3-58264FB	Pareve	① Symbol required.
Vegetable blends	OUV3-0235D0D	Pareve	① Symbol required.
Brand: Caragum			
Caragum 100 Powder	OUV3-D2B3DB2	Pareve	① Symbol required.
• Caragum® 200	OUV3-EBF0B6F	Pareve	① Symbol required.
• Caragum® 300 2473	OUV3-5865359	Pareve	① Symbol required.
Organic Cara 200	OUV3-3E6A797	Pareve	① Symbol required.
Vegetable Blends	OUV3-C7B7078	Pareve	① Symbol required.
Brand: Dairyblend			
• 06 SC-2	OUV3-5D68347	Pareve	① Symbol required.

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TIC Gums, Inc. (continued)

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Dairyblend (continued)			
• 1395	OUV3-51563FC	Pareve	① Symbol required.
• 1998 SCM	OUV3-F09A897	Pareve	① Symbol required.
• 27518	OUV3-97BCB88	Pareve	① Symbol required.
• 31245	OUV3-C699AAA	Pareve	① Symbol required.
• 3540	OUV3-7D3D953	Pareve	① Symbol required.
• 366 THK	OUV3-86DB111	Pareve	① Symbol required.
• 603-EP	OUV3-C864CBA	Pareve	① Symbol required.
• 701-SC	OUV3-50D29CC	Pareve	① Symbol required.
• Base 1	OUV3-DAC0103	Pareve	① Symbol required.
• BTMLK 06	OUV3-5877C0E	Pareve	① Symbol required.
• CC Base	OUV3-DED1191	Pareve	① Symbol required.
• Dair 140-HD	OUV3-DCB16AE	Pareve	① Symbol required.
• Dair 366-33448	OUV3-7FD12D8	Pareve	U Symbol required.

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TIC Gums, Inc. (continued)

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Dairyblend (continued)			
• Dair 606-EP	OUV3-8A03D20	Pareve	① Symbol required.
• Dair 8905	OUV3-57D9D26	Pareve	① Symbol required.
• DAIR BTMLK EC	OUV3-CA7612E	Pareve	① Symbol required.
• Dair CC-424	OUV3-9CFF07F	Pareve	① Symbol required.
DAIR Dairyblend SC-C120	OUV3-5FBBBFB	Pareve	① Symbol required.
• DAIR DIP-11	OUV3-B6259FD	Pareve	① Symbol required.
• Dair EZ-NDP	OUV3-D725126	Pareve	① Symbol required.
• DAIR IC 626 Dairyblend IC 626	OUV3-TZGTWZR	Pareve	① Symbol required.
DAIR IC EZ NSA Dairyblend IC EZ NSA	OUV3-QSRU4NA	Pareve	① Symbol required.
• Dair IC-17456	OUV3-4825EC1	Pareve	① Symbol required.
• Dair IC-17508	OUV3-33C77C5	Pareve	① Symbol required.
• Dair ICE-101B	OUV3-418FC98	Pareve	① Symbol required.
• Dair ICE-600	OUV3-C8C5840	Pareve	① Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Dairyblend (continued)			
• Dair IC-RS	OUV3-608FEE1	Pareve	① Symbol required.
• DAIR KFR Fiber	OUV3-F1DEB59	Pareve	① Symbol required.
• DAIR KFR-NAT	OUV3-F4DB3FF	Pareve	(U) Symbol required.
• Dair LC PD	OUV3-D212AFF	Pareve	① Symbol required.
• DAIR MB2	OUV3-30CE762	Pareve	① Symbol required.
• Dair RTD	OUV3-8BEEF58	Pareve	① Symbol required.
• Dair RTD-2	OUV3-3EEF825	Pareve	① Symbol required.
• Dair RTD-4	OUV3-60C2888	Pareve	① Symbol required.
• DAIR SC FT	OUV3-F4F2018	Pareve	① Symbol required.
• DAIR SC HB	OUV3-97DD314	Pareve	① Symbol required.
• Dair SHK-R	OUV3-069A5D8	Pareve	U Symbol required.
• DAIR SSFD-OG	OUV3-46FF8B6	Pareve	U Symbol required.
• Dair YG AG	OUV3-0FADFD8	Pareve	① Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Dairyblend (continued)			
• DAIR YG DP-2	OUV3-B3CACD7	Pareve	(U) Symbol required.
• DAIR YG FB 3	OUV3-90B8404	Pareve	① Symbol required.
• Dair YG FB-NAT	OUV3-BDFA82C	Pareve	① Symbol required.
• DAIR YG FB-PLUS	OUV3-E537467	Pareve	(U) Symbol required.
• Dairy PD Instant	OUV3-CAE2AB1	Pareve	(U) Symbol required.
• Dairyblend 31771-Pony	OUV3-BFAD3FE	Pareve	(U) Symbol required.
• Dairyblend 655	OUV3-759BF5B	Pareve	(U) Symbol required.
Dairyblend CC Acid Set	OUD3-F188E75	Dairy	①-D Symbol required.
Dairyblend IC 626	OUV3-B30CE9A	Pareve	(U) Symbol required.
Dairyblend IC EZ NSA	OUV3-6E684F2	Pareve	(U) Symbol required.
Dairyblend IC Gelato	OUV3-46F9A79	Pareve	U Symbol required.
Dairyblend IC ND	OUV3-3656F00	Pareve	(U) Symbol required.
Dairyblend Ridge	OUV3-8CFEA65	Pareve	(U) Symbol required.
Dairyblend IC ND	OUV3-3656F00	Pareve	① Symbol required.

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TIC Gums, Inc. (continued)

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Dairyblend (continued)			
DairyBlend WT UHT	OUV3-3F07840	Pareve	U Symbol required.
 Dairyblend YG 12 NGMO 	OUV3-LM6H1IY	Pareve	U Symbol required.
Dairyblend YG AG NGMO	OUV3-VCWR8NC	Pareve	U Symbol required.
• Dairyblend YG FB D	OUV3-06ACD55	Pareve	U Symbol required.
• DBCCLV	OUV3-B4C6C5B	Pareve	U Symbol required.
• DD-360	OUV3-8E04C3F	Pareve	U Symbol required.
• IC LC	OUV3-166B5B0	Pareve	U Symbol required.
• IC NOF-AF	OUV3-EBC9FBA	Pareve	U Symbol required.
• IC Premium	OUV3-B3EB207	Pareve	U Symbol required.
• IC REG-AF	OUV3-919216A	Pareve	U Symbol required.
• ICE CA	OUV3-3DCFECE	Pareve	U Symbol required.
• ICE JB	OUV3-33813F3	Pareve	U Symbol required.
• ICE-SS	OUV3-AA3512A	Pareve	① Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Dairyblend (continued)			
• IC-RS	OUV3-4802DFD	Pareve	U Symbol required.
• IC-STD	OUV3-1818779	Pareve	U Symbol required.
• MP AF	OUV3-7415BF9	Pareve	U Symbol required.
• OG DAIR KFR	OUV3-CB6E5AA	Pareve	U Symbol required.
Organic Dair IC	OUV3-D50B96E	Pareve	U Symbol required.
• SS Base	OUD3-A8B017D	Dairy	U-D Symbol required.
• SS HF	OUV3-6C0ADD8	Pareve	U Symbol required.
• SS NS	OUV3-556CA2B	Pareve	U Symbol required.
• Vegetable Blends	OUV3-7B103F0	Pareve	① Symbol required.
Brand: ENLITENTM			
• ENLITEN TM LB	OUV3-40A7B34	Pareve	(U) Symbol required.
Vegetable Blends	OUV3-73B4D22	Pareve	U Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: FASTir			
• Vegetable Blends	OUV3-D5818C2	Pareve	① Symbol required.
Brand: Guar USA			
• Guar USA 8/22 BB2 Guar USA 8/22 BB2	OUV3-XMDAYBR	Pareve	① Symbol required.
• Guar USA 8/22 GUAR USA 8/22	OUV3-E6UFTHR	Pareve	① Symbol required.
Brand: GuarNT®			
• GUAR 3500 F-D GuarNT® 3500 F Powder	OUV3-1B07E78	Pareve	① Symbol required.
• GUAR FF-4000-D Flavor Free 4000	OUV3-LUPGSRG	Pareve	① Symbol required.
• GUAR USA 8/22 GuarNT® USA 8/22	OUV3-177BE38	Pareve	① Symbol required.
• GUAR USA FF 5000 GuarNT® USA Flavor Free 5000	OUV3-D9EB3A9	Pareve	U Symbol required.
• GuarNT® Bland Powder	OUV3-A889A40	Pareve	① Symbol required.
Brand: Gumplete			
• C GUM BG 500	OUV3-Y6KBKFC	Pareve	① Symbol required.

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TIC Gums, Inc. (continued)

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Gumplete (continued)			
• GUMPLETE AGAR	OUV3-BF1FFB7	Pareve	(U) Symbol required.
• GUMPLETE C GUM EG-CA	OUV3-54C7CD7	Pareve	① Symbol required.
• GUMPLETE C GUM EV-1	OUV3-363A93E	Pareve	① Symbol required.
• GUMPLETE C GUM EV-2	OUV3-7D452C6	Pareve	① Symbol required.
• GUMPLETE C GUM EV-6	OUV3-04F8C1C	Pareve	① Symbol required.
• GUMPLETE C GUM VS-0921	OUV3-826BDEE	Pareve	① Symbol required.
• GUMPLETE C PRO	OUV3-1C60C00	Pareve	① Symbol required.
• GUMPLETE CELLULOSE GEL 50	OUV3-F25F651	Pareve	① Symbol required.
• GUMPLETE CMC-3000	OUV3-7E08ED8	Pareve	(U) Symbol required.
• GUMPLETE CMC-9000	OUV3-UWXGVPP	Pareve	(U) Symbol required.
• GUMPLETE GUM ARABIC S SD	OUV3-3495744	Pareve	(U) Symbol required.
• GUMPLETE GUM ARABIC USP #1 SD	OUV3-10F3BC9	Pareve	(U) Symbol required.
• GUMPLETE MC-0916	OUV3-7470C64	Pareve	① Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Gumplete (continued)			
• GUMPLETE PECTIN HM 150	OUV3-AWTT5DI	Pareve	U Symbol required.
• GUMPLETE PECTIN LM 0929	OUV3-2011FA6	Pareve	① Symbol required.
• GUMPLETE PECTIN LMA 21/24	OUV3-D717261	Pareve	① Symbol required.
• GUMPLETE PECTIN SS 62	OUV3-CBD80BA	Pareve	U Symbol required.
• GUMPLETE PGA-M	OUV3-5ZLQIF2	Pareve	U Symbol required.
• GUMPLETE STABIILIZER HYDRO-FI CCX-1028	OUV3-E38A0F9	Pareve	U Symbol required.
• GUMPLETE STABILIZER AC-0112	OUV3-FC6E25D	Pareve	U Symbol required.
• GUMPLETE STABILIZER AG-0312	OUV3-8C0E91D	Pareve	U Symbol required.
GUMPLETE Stabilizer AKX-1101	OUV3-I7HFCFS	Pareve	(U) Symbol required.
• GUMPLETE STABILIZER AM-0504	OUV3-P5MDPYI	Pareve	U Symbol required.
• GUMPLETE STABILIZER AX-0423	OUV3-59333EC	Pareve	U Symbol required.
• GUMPLETE STABILIZER AXC-1031	OUV3-1248754	Pareve	U Symbol required.
• GUMPLETE STABILIZER CKD-0902	OUV3-18FE1D7	Pareve	① Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Gumplete (continued)			
• GUMPLETE STABILIZER CP-1210	OUV3-69CC00E	Pareve	U Symbol required.
• GUMPLETE STABILIZER CT-0930	OUV3-C008909	Pareve	U Symbol required.
• GUMPLETE STABILIZER CT-D100	OUV3-85ADEFF	Pareve	U Symbol required.
• GUMPLETE STABILIZER CX-0230	OUV3-BFD64AC	Pareve	U Symbol required.
• GUMPLETE STABILIZER CX-BD-1R	OUV3-F999E08	Pareve	U Symbol required.
• GUMPLETE STABILIZER CXC-1224	OUV3-4CE41ED	Pareve	U Symbol required.
• GUMPLETE STABILIZER CXP-BD-1	OUV3-3345477	Pareve	U Symbol required.
• GUMPLETE STABILIZER EG-1003	OUV3-7C6B78F	Pareve	U Symbol required.
• GUMPLETE STABILIZER FENUJAC	OUV3-WUISGJN	Pareve	U Symbol required.
• GUMPLETE STABILIZER GPG-M	OUV3-CFA2FD2	Pareve	U Symbol required.
• GUMPLETE STABILIZER GXC-0906	OUV3-5930F77	Pareve	U Symbol required.
• GUMPLETE STABILIZER HCS-1	OUV3-211464E	Pareve	(U) Symbol required.
• GUMPLETE STABILIZER HYDRO-FI XCT-0123	OUV3-161D8D1	Pareve	① Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Gumplete (continued)			
• GUMPLETE STABILIZER KT-MS	OUV3-0B58E2D	Pareve	U Symbol required.
• GUMPLETE STABILIZER KX-BS	OUV3-B7B7033	Pareve	U Symbol required.
• GUMPLETE STABILIZER KX-ED	OUV3-82AE8F5	Pareve	U Symbol required.
• GUMPLETE STABILIZER LGC-0613	OUV3-C95BEB1	Pareve	U Symbol required.
• GUMPLETE STABILIZER NJ-1R	OUV3-1E4CA19	Pareve	U Symbol required.
• GUMPLETE STABILIZER OG-200A	OUV3-55C69D5	Pareve	U Symbol required.
• GUMPLETE STABILIZER PF-3	OUV3-6622511	Pareve	U Symbol required.
• GUMPLETE STABILIZER PT-1228	OUV3-5105C1B	Pareve	U Symbol required.
• GUMPLETE STABILIZER ST-0308	OUV3-MVC9KGA	Pareve	U Symbol required.
• GUMPLETE STABILIZER STC-101	OUV3-7734B8B	Pareve	U Symbol required.
• GUMPLETE STABILIZER TC-0411	OUV3-9CEC2B8	Pareve	U Symbol required.
• GUMPLETE STABILIZER VPB-1	OUV3-6147FAC	Pareve	① Symbol required.
• GUMPLETE STABILIZER XA-0823	OUV3-5A1B16D	Pareve	U Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Gumplete (continued)			
• GUMPLETE STABILIZER XA-1205	OUV3-8B00D8C	Pareve	U Symbol required.
• GUMPLETE STABILIZER XAC-LH	OUV3-136AB2F	Pareve	U Symbol required.
• GUMPLETE STABILIZER XC-0409	OUV3-26C744B	Pareve	U Symbol required.
• GUMPLETE STABILIZER XC-0430	OUV3-1CCC192	Pareve	U Symbol required.
• GUMPLETE STABILIZER XC-0508	OUV3-5FA207D	Pareve	U Symbol required.
• GUMPLETE STABILIZER XC-0707	OUV3-J4KS4PN	Pareve	U Symbol required.
• GUMPLETE STABILIZER XCT-0922	OUV3-RV5N27H	Pareve	U Symbol required.
• GUMPLETE STABILIZER XPG-0828	OUV3-9B60F5E	Pareve	U Symbol required.
• GUMPLETE TRAGACANTH	OUV3-RVJFENH	Pareve	U Symbol required.
• GUMPLETE™ ALGIN SA	OUV3-3682CF1	Pareve	U Symbol required.
• GUMPLETE™ Stabilizer DS-101	OUV3-DF850A7	Pareve	U Symbol required.
• GUMPLETE™ STABILIZER ST-101	OUV3-5ADBC72	Pareve	U Symbol required.
• STABIILIZER HYDRO-FI TC-1123	OUV3-65FE48F	Pareve	① Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Gumplete (continued)			
Vegetable Blend	OUV3-ZQVUUYE	Pareve	① Symbol required.
Brand: Nutriloid®			
• Arabic Gum AZ# 1336	OUV3-C303763	Pareve	(U) Symbol required.
• NUTR FT-90 FBR Nutriloid® Gum Arabic FT-90	OUV3-D3EC1AC	Pareve	(U) Symbol required.
• Vegetable Blends	OUV3-CC39979	Pareve	① Symbol required.
Brand: OptiCellulose			
• Vegetable Blends	OUV3-772DC66	Pareve	(U) Symbol required.
Brand: Organic			
• Action OG 6700	OUV3-FAA4AEB	Pareve	(U) Symbol required.
Arabic Gum	OUV3-5323A70	Pareve	(U) Symbol required.
• Guar Gum	OUW3-BA6ED86	Pareve	© Symbol required. Certified for Passover and year-round use.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Organic (continued)			
• Locust Bean Gum	OUW3-E9863AC	Pareve	Symbol required. Certified for Passover and year-round use.
OG YG-CUP TICorganic YG Cup Set	OUV3-3D93E4F	Pareve	① Symbol required.
Organic Inulin	OUV3-F3C1D7E	Pareve	U Symbol required.
Organic Inulin Agave	OUV3-0BBA438	Pareve	U Symbol required.
Organic Inulin LV-D	OUV3-1F58BC1	Pareve	U Symbol required.
• TICA OG BEV-804	OUV3-F018B38	Pareve	U Symbol required.
• Ticaloid® OG 762	OUV3-E5720F4	Pareve	U Symbol required.
• Vegetable Gums	OUV3-B0E71B1	Pareve	① Symbol required.
Brand: Precisa			
• PRECISA BAKE 110 i	OUV3-878E725	Pareve	U Symbol required.
• PRECISA BAKE 120 i	OUV3-LPYR05M	Pareve	U Symbol required.
• PRECISA BAKE 130	OUV3-BMHQEGE	Pareve	U Symbol required.
Placing the OII logo on products not listed above constitu	utos an unautharizad usa of the OU sw	mhal which is a f	Endorally registered trademark

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Precisa (continued)			
• PRECISA CLING 25 i	OUV3-12ACD41	Pareve	① Symbol required.
• PRECISA CLING 30	OUV3-1309139	Pareve	① Symbol required.
• PRECISA CREAM 1100	OUV3-D0JAPPQ	Pareve	① Symbol required.
• PRECISA CREAM 1300 i	OUV3-N1LOXIX	Pareve	① Symbol required.
• PRECISA CREAM 1310 i	OUV3-EE86F56	Pareve	① Symbol required.
• PRECISA CREAM 1400 i	OUV3-OGLWATL	Pareve	① Symbol required.
• PRECISA® Carra Gel MCH 5795	OUV3-C09769A	Pareve	① Symbol required.
• PRECISA® Carra Lact DCM 5298	OUV3-3D539A9	Pareve	① Symbol required.
• PRECISA® Carra Lact DCM 5298	OUV3-7E488C3	Pareve	① Symbol required.
• Vegetable Blends	OUV3-8E62FB5	Pareve	① Symbol required.
Brand: Pre-Hydrated®			
• ARAB PH-FT Gum Arabic FT	OUV3-755C3AA	Pareve	① Symbol required.
• ARAB PH-SDRY Gum Arabic Spray Dry Powder	OUV3-EEBC1CA	Pareve	① Symbol required.

Placing the OU logo on products not listed above constitutes an unauthorized use of the OU symbol, which is a federally registered trademark.

This certification is valid through 12/31/2018

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This is to certify that the following product(s) prepared by this company 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: Pre-Hydrated® (continued)			
• GUAR PH-8/24 Pre-Hydrated® Guar Gum 8/24 Powder	OUV3-8B91760	Pareve	U Symbol required.
• GUAR PH-BLN-NE04 GuarNT Bland	OUV3-FD2F26F	Pareve	U Symbol required.
• GUAR USA PH 8/22 Pre-Hydrated® GuarNT® USA 8/22	OUV3-F4BD903	Pareve	U Symbol required.
• Pre-Hydrated® Pectin 1400	OUV3-D5B0481	Pareve	U Symbol required.
• Pre-Hydrated® Ticaxan® Xanthan EC NGMOPV	OUV3-0672280	Pareve	U Symbol required.
• TICA PRO PH-181 Ticaloid® PRO 181 AG	OUV3-25055DD	Pareve	① Symbol required.
Brand: Saladizer 250			
• Pre-Hydrated Saladizer 250 Powder	OUV3-528AF3F	Pareve	① Symbol required.
Brand: Saladizer®			
• SALA 243 M Saladizer® 243 M Powder	OUV3-48B5BCA	Pareve	U Symbol required.
• SALA 250-94 Saladizer® 250 Powder	OUV3-KALGBZX	Pareve	U Symbol required.
• SALA 420 Saladizer® 420	OUV3-6BBBF98	Pareve	① Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Saladizer® (continued)			
• SALA MAYO-GSP-CP Saladizer® MAYO-GSP	OUV3-FVN6ONK	Pareve	① Symbol required.
• Saladizer PB-S-GSP	OUV3-1D39713	Pareve	① Symbol required.
• Saladizer® MAX	OUV3-6843FE7	Pareve	① Symbol required.
• Saladizer® Mayo 400	OUV3-D5CAA98	Pareve	① Symbol required.
• Saladizer® Mayo-H/S Powder	OUV3-0FE5A34	Pareve	U Symbol required.
Brand: Stabilizer			
• STAB W.IPAILS TIC Pretested® Stabilizer Water Ice Powder	OUV3-24F9942	Pareve	① Symbol required.
Stabilizer Salt Blend NBE A3032	OUV3-0079D64	Pareve	① Symbol required.
• Stabilizer WT-2	OUV3-8E7035E	Pareve	① Symbol required.
• Stabilizer XC-424 HD	OUV3-D695665	Pareve	① Symbol required.
Vegetable Blends	OUV3-A3A6133	Pareve	① Symbol required.

Brand: TIC Gums

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TIC Gums, Inc. (continued)

This is to certify that the following product(s) prepared by this company 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: TIC Gums (continued)			
Action Gum	OUV3-213C5AD	Pareve	U Symbol required.
• Agar Gum	OUV3-F10C7E8	Pareve	U Symbol required.
• Agaroid	OUV3-68AF586	Pareve	U Symbol required.
• Alginates	OUV3-B1DE4A2	Pareve	U Symbol required.
• ARAB SD/DR-P Arabic Gum - 17016SPG Gum Arabic Spray	OUV3-0788EE9	Pareve	U Symbol required.
Dry 6 % moist			
Arabic Gum	OUV3-6390A1A	Pareve	① Symbol required.
• Aragum	OUV3-30C58AA	Pareve	① Symbol required.
• Burtonite	OUV3-2EB2AD9	Pareve	U Symbol required.
• Cape Cod	OUV3-A1F7F31	Pareve	U Symbol required.
• Carltech PH-ET2	OUV3-7E7D8BA	Pareve	U Symbol required.
• Carltech PH-EU3	OUV3-DD19437	Pareve	U Symbol required.
• Carob Gum	OUV3-20E1535	Pareve	① Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: TIC Gums (continued)			
Carrageenan Gum	OUV3-B58579A	Pareve	U Symbol required.
Cellulose Gum	OUV3-C3B3A02	Pareve	U Symbol required.
• CMC 6000 F	OUV3-C8594D9	Pareve	U Symbol required.
• Colloid	OUV3-F2B9979	Pareve	U Symbol required.
• CORN THICK	OUV3-A6986B9	Pareve	U Symbol required.
• Corn Thickener	OUV3-CDE41FA	Pareve	U Symbol required.
• Dair 2830-ENG	OUV3-E5133E7	Pareve	U Symbol required.
DAIR SC-ASC Dairyblend SC-ASC	OUV3-B2AA8A1	Pareve	U Symbol required.
Dairyblend Bev-690	OUV3-C14648F	Pareve	U Symbol required.
Dairyblend CC-344	OUV3-117FE2F	Pareve	U Symbol required.
Dairyblend YG OGLP	OUV3-E9F9859	Pareve	U Symbol required.
• Freedom	OUV3-BBDA4BF	Pareve	U Symbol required.
• Ghatti Gum	OUV3-4F457BF	Pareve	U Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: TIC Gums (continued)			
• Guar Gum	OUW3-225F0B3	Pareve	U Symbol required. Certified for Passover and year-round use.
• Guar Gum 8/22	OUW3-00DCE1E	Pareve	Symbol required. Certified for Passover and year-round use.
• Guar Gum 8/24	OUW3-E6F4EB2	Pareve	Symbol required. Certified for Passover and year-round use.
• Guarcel	OUV3-E254491	Pareve	① Symbol required.
• GUMPLETE FENUGREEK GUM	OUV3-43C9778	Pareve	U Symbol required.
• Inulin	OUV3-303F3D4	Pareve	U Symbol required.
• Inulin HV	OUV3-D86040B	Pareve	U Symbol required.
• Inulin LV 110	OUV3-DB6B961	Pareve	U Symbol required.
• Karaya Gum	OUV3-DFDC1D4	Pareve	U Symbol required.

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TIC Gums, Inc. (continued)

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Product Name	UKD-ID	Status	Certification Requirements
Brand: TIC Gums (continued)			
• Konjac	OUV3-D1AE75E	Pareve	① Symbol required.
Locust Bean Gum	OUW3-E047BFD	Pareve	① Symbol required. Certified for Passover and year-round use.
• Locust Bean Por-A	OUW3-B6FC0B4	Pareve	© Symbol required. Certified for Passover and year-round use.
• OG TAPI THICK	OUV3-0721E02	Pareve	① Symbol required.
Organic Grown Cara	OUV3-CDDAD15	Pareve	① Symbol required.
Organic Grown Dair	OUV3-869DEA7	Pareve	U Symbol required.
Organic Grown Inulin	OUV3-D2C8EFB	Pareve	U Symbol required.
• Pectin	OUV3-9F4FAB5	Pareve	U Symbol required.
PECTIN 1400 TIC Pretested® Pectin 1400	OUV3-F7C13F1	Pareve	① Symbol required.
• Pre-Hydrated® Guar Gum 8/24 Powder	OUV3-753D988	Pareve	① Symbol required.
Requires Rabbi's sticker.			

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TIC Gums, Inc. (continued)

This is to certify that the following product(s) prepared by this company 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: TIC Gums (continued)			
• Pre-Hydrated® Gum Arabic FT	OUV3-CE6807C	Pareve	U Symbol required.
Requires Rabbi's sticker.			
• RPDONUT GLAZE	OUV3-157DE50	Pareve	U Symbol required.
Saladizer Mayo-GSP Powder	OUD3-B9139DD	Dairy	U-D Symbol required.
• SB PH 9000 Pre-Hydrated® SB 9000 Powder	OUV3-AD45FB0	Pareve	U Symbol required.
• SB-9000	OUV3-8178DFC	Pareve	U Symbol required.
• STAB DF 862-M - TIC	OUV3-07C6F6B	Pareve	U Symbol required.
• STAB ICE 101-A	OUV3-F354FC5	Pareve	① Symbol required.
• SURFACTANT 1156-D	OUV3-BD3C4D4	Pareve	① Symbol required.
• Tahla Gum	OUV3-2C34D3E	Pareve	U Symbol required.
Tamarind Gum	OUV3-AD064B7	Pareve	U Symbol required.
• Tara Gum	OUV3-CE7AB8A	Pareve	U Symbol required.
• Tic 710	OUV3-DE30617	Pareve	U Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: TIC Gums (continued)			
• TIC Pretested® Liquid Blend 222	OUV3-05B4C14	Pareve	① Symbol required.
• TIC Pretetsed Pectin LM 35 Powder	OUV3-FA1B9E5	Pareve	① Symbol required.
• TICA DM-300	OUV3-6685D62	Pareve	① Symbol required.
• TICAFILM	OUV3-F2212DB	Pareve	① Symbol required.
• Ticagel	OUV3-300A050	Pareve	① Symbol required.
• Ticaloid Pro 410	OUV3-FB50751	Pareve	① Symbol required.
Tomato Extender	OUV3-D6282D1	Pareve	① Symbol required.
• Xant PH Rapid-3	OUV3-1CCE750	Pareve	① Symbol required.
• Xanthan Gum	OUV3-072F82A	Pareve	① Symbol required.
• XC-8444	OUV3-2E5F985	Pareve	① Symbol required.
Brand: TIC Pretested®			
• 451 "T" Powder	OUV3-5E3A0CB	Pareve	(U) Symbol required.
• AGAR RS-111 TIC Pretested® Agar RS-111	OUV3-3E39F41	Pareve	① Symbol required.

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This is to certify that the following product(s) prepared by this company 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: TIC Pretested® (continued)			
ARAB FT POWDER Gum Arabic FT Powder	OUV3-1B3D8C9	Pareve	(U) Symbol required.
Gum Guar TICOLV Powder	OUV3-8ABAE27	Pareve	① Symbol required.
• PECT AP LMA-1 TIC Pretested® Apple Pectin LMA	OUV3-52E3A7E	Pareve	① Symbol required.
• PECT RAPID-NGMO Pectin HM Rapid Set	OUV3-04E7179	Pareve	① Symbol required.
• SALA 250-94 Saladizer® 250 Powder	OUV3-8309DE1	Pareve	① Symbol required.
• STAB ICE-200 TIC Pretested® Stabilizer ICE-200 Powder	OUV3-529D09E	Pareve	① Symbol required.
• TIC Pretested® Gum Arabic BEV-101 GR	OUV3-561AFED	Pareve	(U) Symbol required.
• TIC Pretested® Gum Arabic Spray Dry Powder	OUV3-52C56CC	Pareve	① Symbol required.
• TIC Pretested® Gum Guar 650 C-PM	OUV3-3B0BC57	Pareve	① Symbol required.
• TIC Pretested® Locust Bean Gum POR/A2 Powder	OUV3-C9E666F	Pareve	① Symbol required.
Brand: TIC Pretested® Pectin			
• PECTIN SLOW-1-NG TIC Pretested®Pectin HM Slow Set NGMO	OUV3-1NXCUNI	Pareve	(U) Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Tic Saladizer			
• Vegetable Blends	OUV3-4136723	Pareve	① Symbol required.
Brand: TICA-algin			
• Algin 400 F TICA-algin® 400 Powder	OUV3-A49D156	Pareve	① Symbol required.
 ALGIN PGA LV TICA-algin® PGA LV Powder 	OUV3-80E3C83	Pareve	① Symbol required.
• TICA-algin® SQ 900 Powder	OUV3-06E17A3	Pareve	① Symbol required.
• Vegetable Blends	OUV3-5A320CF	Pareve	① Symbol required.
Brand: Ticacel			
• Vegetable Blends	OUV3-09BB819	Pareve	① Symbol required.
Brand: TICACEL®			
• 824-MP Powder	OUV3-8208DB6	Pareve	① Symbol required.
• TICA MC E4M TICACEL MC E4M	OUV3-40B226A	Pareve	① Symbol required.
• TICA MC E50 TICACEL MC E50	OUV3-D5EB13F	Pareve	① Symbol required.

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This is to certify that the following product(s) prepared by this company 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: TICACEL® (continued)			
• TICA MC K4M TICACEL MC K4M	OUV3-3775D24	Pareve	U Symbol required.
• Ticacel HV Powder	OUV3-AEF2E93	Pareve	U Symbol required.
• TICACEL® 300 MCC	OUV3-3D4CC75	Pareve	U Symbol required.
Brand: Ticacia			
• Vegetable Blends	OUV3-499DF10	Pareve	① Symbol required.
Brand: TicaDRINK			
Vegetable Blends	OUV3-FA0F4FA	Pareve	U Symbol required.
Brand: Ticagel®			
• TGEL GELLAN DPB Gellan DPB	OUV3-1ECC6E9	Pareve	U Symbol required.
• TGEL GELLAN HS Gellan HS	OUV3-7B5656D	Pareve	U Symbol required.
• TGEL NAT-581 Ticagel® Natural GC-581 B	OUV3-24D10A5	Pareve	U Symbol required.
• TGEL PPS-2 Ticagel® PPS-2	OUV3-WIUP0QJ	Pareve	① Symbol required.

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This is to certify that the following product(s) prepared by this company 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: Ticagel® (continued)			
• Ticagel Bind-KX	OUV3-350C4C7	Pareve	① Symbol required.
• Ticagel® 212-GA	OUV3-W7EOGTV	Pareve	① Symbol required.
• Ticagel® 230	OUV3-3D43477	Pareve	① Symbol required.
• Ticagel® 427	OUV3-8433779	Pareve	① Symbol required.
• Ticagel® 500 FL	OUV3-66AF804	Pareve	① Symbol required.
• Ticagel® 772	OUV3-B4F30B9	Pareve	U Symbol required.
• Ticagel® Bind CN	OUV3-C214BC0	Pareve	U Symbol required.
• Ticagel® Bind CN EC	OUV3-B2AED5C	Pareve	U Symbol required.
• Vegetable Blends	OUV3-ABEEE0D	Pareve	① Symbol required.
Brand: Ticaloid®			
• 710 H-96 Powder	OUV3-9E6BF54	Pareve	U Symbol required.
• COLL 1023 TX 1023 T Fine Powder	OUV3-5DD2325	Pareve	U Symbol required.
• COLL 515 M-T Ticaloid® 515 M-T Powder	OUV3-868DAAA	Pareve	U Symbol required.

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TIC Gums, Inc. (continued)

This is to certify that the following product(s) prepared by this company 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: Ticaloid® (continued)			
• COLL 602 Ticaloid 602 Powder	OUV3-6E5CA7E	Pareve	U Symbol required.
• Coll 710 H Powder	OUV3-92FAC4C	Pareve	U Symbol required.
• COLL 710 H Ticaloid® 710 H Powder	OUV3-PO5BKSA	Pareve	U Symbol required.
• COLL 750 Ticaloid 750	OUV3-6C97E0D	Pareve	U Symbol required.
• COLL 750 Ticaloid® 750	OUV3-5ILSAKV	Pareve	U Symbol required.
• COLL 760 MB Ticaloid® 760 MB Powder	OUV3-DC6AH7Q	Pareve	U Symbol required.
• COLL 780 MB OG Ticaloid 780 MB OG	OUV3-KMM3WXS	Pareve	U Symbol required.
• COLL FOLD N FLE FOLD N FLEX	OUV3-D863AEF	Pareve	① Symbol required.
• DAIR RIDGE-2 Ridgefield Smoothie Cup Stabilizer 2	OUV3-4222A27	Pareve	① Symbol required.
• TICA 620 Ticaloid® 620	OUV3-2CBF429	Pareve	① Symbol required.
• TICA 780 Ticaloid® 780 Stabilizer	OUV3-6D924F1	Pareve	① Symbol required.
• TICA 780 Ticaloid® 780 Stabilizer	OUV3-9MMT4D4	Pareve	① Symbol required.
• TICA 842 Ticaloid® 842 Powder	OUV3-D79CF66	Pareve	① Symbol required.

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TIC Gums, Inc. (continued)

This is to certify that the following product(s) prepared by this company 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: Ticaloid® (continued)			
• TICA CF-29876 Ticaloid CF-29876	OUV3-9MW7BPA	Pareve	U Symbol required.
• TICA GR5420NG Ticaloid® GR 5420 Non-GMO	OUV3-C56EC81	Pareve	U Symbol required.
• TICA ICG-MAX-AG Icing Max AG	OUV3-ADD36AF	Pareve	U Symbol required.
• TICA OG MB A-34	OUV3-6BE6C09	Pareve	U Symbol required.
• TICA OG-1155	OUV3-D35C340	Pareve	U Symbol required.
• TICA PRO PH-181 Ticaloid® OG 2255-V	OUV3-4509A38	Pareve	U Symbol required.
• TICA PRO-192 AGD Ticaloid® PRO 192 AGD	OUV3-53B3ABC	Pareve	U Symbol required.
• TICA PRO-D159 OG PRO D159 OG	OUV3-M9AUMSK	Pareve	U Symbol required.
• TICA RTU-PB Ticaloid Icing RTU Pony Blend	OUV3-CAAC222	Pareve	① Symbol required.
• TICA Ticaloid 1155 FF	OUV3-8629983	Pareve	① Symbol required.
• TICA TORTILLA Tortilla	OUV3-A75E697	Pareve	① Symbol required.
• Ticaloid 780 Stabilizer	OUV3-B396B53	Pareve	(U) Symbol required.
• Ticaloid Pro HC 988	OUV3-E4802E1	Pareve	① Symbol required.

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TIC Gums, Inc. (continued)

This is to certify that the following product(s) prepared by this company 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: Ticaloid® (continued)			
Ticaloid Saucier	OUV3-965BA9D	Pareve	① Symbol required.
• Ticaloid® 1023 T OG	OUV3-2D09F80	Pareve	① Symbol required.
• Ticaloid® 210 S Powder	OUV3-392F465	Pareve	① Symbol required.
• Ticaloid® 710 H-96 Powder	OUV3-44B7E09	Pareve	① Symbol required.
• Ticaloid® 760 MB-1	OUV3-9D72754	Pareve	① Symbol required.
• Ticaloid® 881 M Powder	OUV3-DC3EEEB	Pareve	① Symbol required.
• Ticaloid® 911 Powder	OUV3-F445A42	Pareve	① Symbol required.
• Ticaloid® BIND I-96 Powder	OUV3-4339534	Pareve	U Symbol required.
• Ticaloid® DG 671	OUV3-17D1E20	Pareve	① Symbol required.
• Ticaloid® GF 377	OUV3-911A8CB	Pareve	① Symbol required.
• Ticaloid® GR 5420	OUV3-3E7D446	Pareve	U Symbol required.
• Ticaloid® Icing Max	OUV3-13A9EC6	Pareve	① Symbol required.
• Ticaloid® LITE Powder	OUV3-0F73791	Pareve	① Symbol required.

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TIC Gums, Inc. (continued)

This is to certify that the following product(s) prepared by this company 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: Ticaloid® (continued)			
• Ticaloid® PM-9399 Powder	OUV3-95B3FDE	Pareve	U Symbol required.
• Ticaloid® PRO 148 OG	OUV3-05EBD23	Pareve	U Symbol required.
• ULTRASMOOTH Powder	OUV3-06B15F2	Pareve	U Symbol required.
• Vegetable Blends	OUV3-9D6F982	Pareve	① Symbol required.
Brand: Ticalose®			
• CMC 15F AZ#1337	OUV3-00C08E7	Pareve	U Symbol required.
• CMC 602 S Ticalose® 602 Standard Powder	OUV3-BC4D539	Pareve	U Symbol required.
CMC PH-2500 Pre-Hydrated Ticalose CMC 2500 Powder	OUV3-30138CE	Pareve	U Symbol required.
• CMC PH-300 Pre-Hydrated® Ticalose® CMC 300	OUV3-6B8903F	Pareve	U Symbol required.
• Ticalose® CMC 2700 F NGMO	OUV3-4C98F67	Pareve	(U) Symbol required.
• Ticalose® CMC 6000 Fine Powder	OUV3-F79875F	Pareve	U Symbol required.
• Vegetable Blends	OUV3-994F408	Pareve	① Symbol required.

Placing the OU logo on products not listed above constitutes an unauthorized use of the OU symbol, which is a federally registered trademark.

This certification is valid through 12/31/2018

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This is to certify that the following product(s) prepared by this company 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: Ticamulsion			
• TICAMULSION® 3020	OUV3-31932E5	Pareve	① Symbol required.
• TICAMULSION® A-2010 Powder	OUV3-65897BA	Pareve	① Symbol required.
• Vegetable Blends	OUV3-20164DE	Pareve	① Symbol required.
Brand: Ticapan			
• Vegetable Blends	OUV3-0BDEADB	Pareve	U Symbol required.
Brand: TicaPAN®			
 TPAN Q-CRUNCH TicaPAN® Quick Crunch 	OUV3-ZLVALAU	Pareve	① Symbol required.
• TicaPAN® 311 TPAN 311	OUV3-UUHEIMY	Pareve	① Symbol required.
• TPAN 311-NGMO 311-NGMO	OUV3-3BE436C	Pareve	① Symbol required.
Brand: Ticaxan®			
• PH-Xanthan	OUV3-F4FCAC8	Pareve	① Symbol required.
• Ticaxan® Xanthan EC NGMOPV	OUV3-8C34958	Pareve	① Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: Ticaxan® (continued)			
• XANT 200 NGMOPV Xanthan 200 EC NGMOPV	OUV3-4EB76EE	Pareve	U Symbol required.
• Xant PH	OUV3-F827C06	Pareve	U Symbol required.
• Xant PH Rapid-2	OUV3-4E85172	Pareve	① Symbol required.
• XANT PH-R3NGMO Pre-Hydrated Ticxane Rapid-3 NGMO	OUV3-01A3914	Pareve	① Symbol required.
• XANT VI Ticaxan® Xanthan VI	OUV3-1TBY6EW	Pareve	① Symbol required.
• Xanthan	OUV3-418C29C	Pareve	① Symbol required.
Brand: TICorganic®			
TICorganic ®Agaroid®300	OUV3-1E1ED71	Pareve	① Symbol required.
TICorganic® Agaroid® 315 Organic Agar	OUV3-F35C575	Pareve	① Symbol required.
TICorganic® Arabic Spray Dry Powder	OUV3-EG5G96M	Pareve	① Symbol required.
• TICorganic® Aragum® SDF	OUV3-5FDRNHJ	Pareve	① Symbol required.
• TICorganic® Caragum® 200	OUV3-KYEVXOK	Pareve	U Symbol required.
• TICorganic® Dairyblend COT D	OUV3-HK6OYFC	Pareve	U Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: TICorganic® (continued)			
TICorganic® Dairyblend IC	OUV3-UY0T7M4	Pareve	① Symbol required.
• TICorganic® Dairyblend IC 2	OUV3-OGVPYZK	Pareve	① Symbol required.
• TICorganic® Dairyblend Natural IC CL	OUV3-UC3OCVA	Pareve	① Symbol required.
• TICorganic® Dairyblend YG Smooth	OUV3-SJTNIJE	Pareve	① Symbol required.
• TICorganic® Guar Gum 3500 F Powder	OUW3-913935B	Pareve	© Symbol required. Certified for Passover and year-round use.
• TICorganic® Gum Arabic SF	OUV3-9DBC97D	Pareve	(U) Symbol required.
• TICorganic® Inulin Agave	OUV3-82XQYJR	Pareve	(U) Symbol required.
• TICorganic® Locust Bean Gum Powder	OUV3-JKCEDAA	Pareve	(U) Symbol required.
• TICorganic® OG GUAR 3500 F-D Guar Gum 3500 F Powder	OUV3-XHA0Z3I	Pareve	① Symbol required.
• TICorganic® OG NUTR SF90 FBR Nutriloid Gum Arabic SF-90	OUV3-I4R08KW	Pareve	(U) Symbol required.
• TICorganic® OG SALA 100 Saladizer® 100	OUV3-WJFBLS2	Pareve	(U) Symbol required.
• TICorganic® OG SALA 320 Saladizer® 320	OUV3-A9B22C6	Pareve	① Symbol required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: TICorganic® (continued)			
• TICorganic® OG STAB ICE-200 Stabilizer ICE-200	OUV3-869AE1C	Pareve	U Symbol required.
• TICorganic® Ultrasmooth CL	OUV3-G0QGABC	Pareve	① Symbol required.
Brand: Valentine Blend			
• Custom Blend	OUV3-E13FDDF	Pareve	① Symbol required.

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