



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

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

Ingredion Incorporated (Gums), 5 Westbrook Corporate Center, Westchester, IL 60154

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

Ingredion-Belcamp (Brass Mill Road), 1311 Brass Mill Road, Belcamp, MA USA

Product Name	UKD-ID	Status	Certification Requirements
Brand: Action Gum			
• Action Gum 100	OUV3-62X2CD4	Pareve	Ⓢ Symbol required.
• Action Gum 10000 EC	OUV3-3CTL15N	Pareve	Ⓢ Symbol required.
• Action Gum 1144 EC	OUV3-SDQ1HDL	Pareve	Ⓢ Symbol required.
• Action Gum 1144 FF	OUV3-FQ7EMKR	Pareve	Ⓢ Symbol required.
• Action Gum 1144 FF-NGMO	OUV3-UBLDLMM	Pareve	Ⓢ Symbol required.
• Action Gum 1144 Powder	OUV3-CKSU2BK	Pareve	Ⓢ Symbol required.
• Action Gum 2000 Powder	OUV3-GONHSIT	Pareve	Ⓢ Symbol required.
• Action Gum 5000 EC	OUV3-WEQPCRH	Pareve	Ⓢ Symbol required.
• Action Gum 5000 Powder	OUV3-VADRMHB	Pareve	Ⓢ Symbol required.
• Action Gum 6700 Powder	OUV3-R9HV9J1	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 12/31/2022

Page 1 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredion Incorporated (Gums) (continued)

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: Action Gum (continued)			
• Action Gum 8200 Powder	OUV3-KHBA0CR	Pareve	Ⓢ Symbol required.
• Action Gum 8900	OUV3-NFKHABG	Pareve	Ⓢ Symbol required.
• Action Gum OG 1144	OUV3-NLOXTX5	Pareve	Ⓢ Symbol required.
• Action Gum OG 6700	OUV3-4JW0QMY	Pareve	Ⓢ Symbol required.
Brand: Add-Here®			
• ADD-HERE 001-PB	OUV3-698CCF7	Pareve	Ⓢ Symbol required.
• Add-Here® 3200	OUV3-DFEEE50	Pareve	Ⓢ Symbol required.
• Add-Here® 3200 Non-GMO	OUV3-790F97E	Pareve	Ⓢ Symbol required.
• Add-Here® 4300 P	OUV3-81574D6	Pareve	Ⓢ Symbol required.
• Add-Here® CSA	OUV3-B8A9C11	Pareve	Ⓢ Symbol required.
• Add-Here® CSA NGMO Int	OUV3-6346981	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 12/31/2022

Page 2 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Add-Here® (continued)			
• Add-Here® CSA-NGMO	OUV3-70D0BC5	Pareve	Ⓢ Symbol required.
• Add-Here® NC	OUV3-1EACC7E	Pareve	Ⓢ Symbol required.
• CSA NGMO Int	OUV3-81330FF	Pareve	Ⓢ Symbol required.
• Vegetable Blends	OUV3-945F259	Pareve	Ⓢ Symbol required.
Brand: Agaroid			
• Agaroid® OG 300	OUV3-3354E89	Pareve	Ⓢ Symbol required.
Brand: Agaroid®			
• Agaroid® 300 Powder	OUV3-90X3PQH	Pareve	Ⓢ Symbol required.
• Agaroid® 586	OUV3-GKJWIBX	Pareve	Ⓢ Symbol required.
• Agaroid® RS-30 Powder	OUV3-OF3XBGA	Pareve	Ⓢ Symbol required.
• Agaroid® RS-500 Powder	OUV3-CVNYVZD	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 12/31/2022

Page 3 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Agaroid® (continued)			
• Agaroid® RS-507 Powder	OUV3-XPJS3DU	Pareve	Ⓢ Symbol required.
• Agaroid® RS-520 Powder	OUV3-JGTORPR	Pareve	Ⓢ Symbol required.
Brand: Aragum			
• Aragum® 3173	OUV3-58264FB	Pareve	Ⓢ Symbol required.
• Vegetable blends	OUV3-0235D0D	Pareve	Ⓢ Symbol required.
Brand: Aragum®			
• Aragum® 1067 T SS Powder	OUV3-GXY7AJ9	Pareve	Ⓢ Symbol required.
• Aragum® 1078	OUV3-OBBW3UB	Pareve	Ⓢ Symbol required.
• Aragum® 2000 Powder	OUV3-YV6TBDH	Pareve	Ⓢ Symbol required.
• Aragum® 3173 Powder	OUV3-ZNA43CR	Pareve	Ⓢ Symbol required.
• Aragum® 9000 M Powder	OUV3-RG6PQNU	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 12/31/2022

Page 4 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Aragum® (continued)			
• Aragum® OG T-2002	OUV3-ASIMQO7	Pareve	Ⓢ Symbol required.
• Aragum® T-1998 Powder	OUV3-U5CHJRK	Pareve	Ⓢ Symbol required.
Brand: Caragum®			
• 38364900 Caragum 200	OUV3-I2AQ0U8	Pareve	Ⓢ Symbol required.
• Caragum 300	OUV3-TV3A8SJ	Pareve	Ⓢ Symbol required.
• Caragum® 100 Powder	OUV3-BWYUQH2	Pareve	Ⓢ Symbol required.
• Caragum® 200 FF	OUV3-DZS1TP1	Pareve	Ⓢ Symbol required.
• Caragum® 300-2473 KOP	OUV3-7RWAYIC	Pareve	Ⓢ Symbol required.
Brand: Dairyblend			
• DAIR CF20 Darifair Stabilizer CF20	OUV3-EYB9G57	Pareve	Ⓢ Symbol required.
• Dairyblend 101-B	OUV3-0LF0AMZ	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 12/31/2022

Page 5 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Dairyblend (continued)			
• Dairyblend 101-B FF	OUV3-G8JJDDD	Pareve	Ⓢ Symbol required.
• Dairyblend 2004	OUV3-V6JGRRE	Pareve	Ⓢ Symbol required.
• Dairyblend 2830-ENG	OUV3-SQNDNKW	Pareve	Ⓢ Symbol required.
• Dairyblend 360-DD	OUV3-D9OLLKD	Pareve	Ⓢ Symbol required.
• Dairyblend 366-THK	OUV3-TBDOR3J	Pareve	Ⓢ Symbol required.
• Dairyblend 603-EP	OUV3-PRPJBCD	Pareve	Ⓢ Symbol required.
• Dairyblend 603-EP FF	OUV3-EIHBRR2	Pareve	Ⓢ Symbol required.
• Dairyblend Acidified Beverage 120	OUV3-YKAJTMR	Pareve	Ⓢ Symbol required.
• Dairyblend Acidified Beverage 880F	OUV3-PQYVT6T	Pareve	Ⓢ Symbol required.
• Dairyblend BTMLK 06	OUV3-GC9MP1N	Pareve	Ⓢ Symbol required.
• Dairyblend CC-340	OUV3-KJP3TNH	Pareve	Ⓢ Symbol required.
• Dairyblend CC-344	OUV3-ATPF EVP	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 12/31/2022

Page 6 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Dairyblend (continued)			
• Dairyblend CD-10	OUV3-OHF0IAP	Pareve	Ⓢ Symbol required.
• Dairyblend CF-853	OUV3-KLJVPWE	Pareve	Ⓢ Symbol required.
• Dairyblend CR 201 CL	OUV3-4F902F5	Pareve	Ⓢ Symbol required.
• Dairyblend Dip-11	OUV3-HFRZRG0	Pareve	Ⓢ Symbol required.
• Dairyblend DS-80 OG	OUV3-BBABAEE	Pareve	Ⓢ Symbol required.
• Dairyblend IC 17508	OUV3-WBSUCPM	Pareve	Ⓢ Symbol required.
• Dairyblend IC 253 Prem	OUV3-FNIGLE4	Pareve	Ⓢ Symbol required.
• Dairyblend IC 29998 Ponyblend	OUV3-ZO8Y6LZ	Pareve	Ⓢ Symbol required.
• Dairyblend IC 29998-CP	OUV3-IENK6UV	Pareve	Ⓢ Symbol required.
• Dairyblend IC EZ Creamy	OUV3-JFTVVTY	Pareve	Ⓢ Symbol required.
• Dairyblend IC EZ NSA	OUV3-17PXUKN	Pareve	Ⓢ Symbol required.
• Dairyblend IC Gelato Base	OUV3-WI0XJOR	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 12/31/2022

Page 7 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Dairyblend (continued)			
• Dairyblend IC NC	OUV3-JK0Q8MK	Pareve	Ⓢ Symbol required.
• Dairyblend IC OG Gelato BASE	OUV3-UYHNELD	Pareve	Ⓢ Symbol required.
• Dairyblend ICE 223	OUV3-HDY42UK	Pareve	Ⓢ Symbol required.
• Dairyblend Ice Cream RS	OUV3-GKYO1RO	Pareve	Ⓢ Symbol required.
• Dairyblend Ice GL	OUV3-26WMXBE	Pareve	Ⓢ Symbol required.
• Dairyblend ICE IPSA	OUV3-OWXSH6O	Pareve	Ⓢ Symbol required.
• Dairyblend MB C2	OUV3-JNWB1UJ	Pareve	Ⓢ Symbol required.
• Dairyblend MB2	OUV3-HQPEFB7	Pareve	Ⓢ Symbol required.
• Dairyblend MP AF	OUV3-LKJIHW9	Pareve	Ⓢ Symbol required.
• Dairyblend Natural IC 10	OUV3-7098D74	Pareve	Ⓢ Symbol required.
• Dairyblend Natural IC 21	OUV3-95BED83	Pareve	Ⓢ Symbol required.
• Dairyblend Natural IC CL	OUV3-RUIGF29	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 12/31/2022

Page 8 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Dairyblend (continued)			
• Dairyblend Natural YG AG	OUV3-BJPBJ6J	Pareve	Ⓢ Symbol required.
• Dairyblend PD Instant	OUV3-GKITJ89	Pareve	Ⓢ Symbol required.
• Dairyblend Premium	OUV3-VSBA2J0	Pareve	Ⓢ Symbol required.
• Dairyblend RTD-26	OUV3-CXNR6QZ	Pareve	Ⓢ Symbol required.
• Dairyblend SC-713	OUV3-982ECEE	Pareve	Ⓢ Symbol required.
• Dairyblend SC-ASC	OUV3-AYL8BDH	Pareve	Ⓢ Symbol required.
• Dairyblend SC-C120	OUV3-44KK0TI	Pareve	Ⓢ Symbol required.
• DAIRYBLEND SC-NAT	OUV3-ISK74PR	Pareve	Ⓢ Symbol required.
• Dairyblend SS 731	OUV3-E7T3HBE	Pareve	Ⓢ Symbol required.
• Dairyblend SS Instant	OUV3-5YFDOOZ	Pareve	Ⓢ Symbol required.
• Dairyblend WT-526	OUV3-HCSC63Z	Pareve	Ⓢ Symbol required.
• DAIRYBLEND YG 0006	OUV3-19E1761	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 12/31/2022

Page 9 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Dairyblend (continued)			
• Dairyblend YG 12 NGMO	OUV3-LM6H1IY	Pareve	Ⓢ Symbol required.
• Dairyblend YG AG 8	OUV3-MESNZOH	Pareve	Ⓢ Symbol required.
• Dairyblend YG AG NGMO	OUV3-VCWR8NC	Pareve	Ⓢ Symbol required.
• Dairyblend YG DP	OUV3-JE44BLC	Pareve	Ⓢ Symbol required.
• Dairyblend YG DP-2	OUV3-SEKYOET	Pareve	Ⓢ Symbol required.
• Dairyblend YG FB 3	OUV3-9KVS0PX	Pareve	Ⓢ Symbol required.
• Dairyblend YG FB Natural	OUV3-I03SLSF	Pareve	Ⓢ Symbol required.
• Dairyblend YG LP	OUV3-TEBYFUL	Pareve	Ⓢ Symbol required.
• Dairyblend YG OG 6	OUV3-5IIRK6C	Pareve	Ⓢ Symbol required.
• Dairyblend YG OGLP	OUV3-OVCU4KI	Pareve	Ⓢ Symbol required.
• Dairyblend YG SP	OUV3-TPUBJ0L	Pareve	Ⓢ Symbol required.
• Dairyblend YG-AG	OUV3-U6K0X6G	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Dairyblend (continued)			
• Vegetable Blends	OUV3-7B103F0	Pareve	Ⓢ Symbol required.
Brand: ENLITEN™			
• ENLITEN™ LB	OUV3-40A7B34	Pareve	Ⓢ Symbol required.
• ENLITEN™ LB	OUV3-918E09B	Pareve	Ⓢ Symbol required.
• Vegetable Blends	OUV3-73B4D22	Pareve	Ⓢ Symbol required.
Brand: Farmal			
• FARM XAN 2312TC FARMAL XANTHAN 2312TC	OUV3-TWLQGLC	Pareve	Ⓢ Symbol required.
• FARMAL ACACIA 1320	OUV3-IR69SLA	Pareve	Ⓢ Symbol required.
• FARMAL KONJAC 1310	OUV3-CL8CCW4	Pareve	Ⓢ Symbol required.
• FARMAL LOCUST BEAN 1110	OUV3-BIC3GOM	Pareve	Ⓢ Symbol required.
• FARMAL PECTIN 1320	OUV3-TBEK1OT	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Farmal (continued)			
• FARMAL XANTHAN 1320	OUV3-DANTQWJ	Pareve	Ⓢ Symbol required.
Brand: FASTir			
• FASTir® Xanthan EC	OUV3-2554F4F	Pareve	Ⓢ Symbol required.
• Vegetable Blends	OUV3-D5818C2	Pareve	Ⓢ Symbol required.
Brand: Guarcel®			
• Guarcel® 302	OUV3-100EMVL	Pareve	Ⓢ Symbol required.
• Guarcel® 302 FF	OUV3-BVYEPJY	Pareve	Ⓢ Symbol required.
• Guarcel® 910 Powder	OUV3-GQOGN8V	Pareve	Ⓢ Symbol required.
Brand: GuarNT®			
• GuarNT® 3500 F Powder	OUV3-GMBX2LA	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 12/31/2022

Page 12 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: GuarNT® (continued)			
• GuarNT® Bland	OUV3-4LFYKJ2	Pareve	Ⓢ Symbol required.
• GuarNT® Bland 200 HV Powder	OUV3-6D961BA	Pareve	Ⓢ Symbol required.
• GuarNT® Bland Powder	OUV3-A889A40	Pareve	Ⓢ Symbol required.
• GuarNT® Flavor Free 4000	OUV3-LW1SOBY	Pareve	Ⓢ Symbol required.
• GuarNT® Flavor Free 4011	OUV3-RBRLU0G	Pareve	Ⓢ Symbol required.
• GuarNT® USA 8/22	OUV3-ZN5PDRA	Pareve	Ⓢ Symbol required.
• GuarNT® USA Flavor Free 5000	OUV3-RDHA3SM	Pareve	Ⓢ Symbol required.
Brand: GUMplete			
• 75000286 GUMplete STABILIZER CKD-0902	OUV3-PHAWAQV	Pareve	Ⓢ Symbol required.
• GUMplete AGAR	OUV3-BF1FFB7	Pareve	Ⓢ Symbol required.
• GUMplete C GUM BG 500	OUV3-9DYK54S	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: GUMLETE (continued)			
• GUMLETE C GUM CL-SB	OUV3-WHBQUPD	Pareve	Ⓢ Symbol required.
• GUMLETE C GUM EB-L	OUV3-GCF2QZI	Pareve	Ⓢ Symbol required.
• GUMLETE C GUM EG-CA	OUV3-54C7CD7	Pareve	Ⓢ Symbol required.
• GUMLETE C GUM EV-1	OUV3-363A93E	Pareve	Ⓢ Symbol required.
• GUMLETE C GUM EV-2	OUV3-7D452C6	Pareve	Ⓢ Symbol required.
• GUMLETE C GUM EV-6	OUV3-04F8C1C	Pareve	Ⓢ Symbol required.
• GUMLETE C GUM VS-0921	OUV3-826BDEE	Pareve	Ⓢ Symbol required.
• GUMLETE C PRO	OUV3-1C60C00	Pareve	Ⓢ Symbol required.
• GUMLETE CELLULOSE GEL 50	OUV3-F25F651	Pareve	Ⓢ Symbol required.
• GUMLETE CELLULOSE GEL 50 BLEND	OUV3-YSJORWT	Pareve	Ⓢ Symbol required.
• GUMLETE CMC-3000	OUV3-7E08ED8	Pareve	Ⓢ Symbol required.
• GUMLETE CMC-9000	OUV3-UWXGVPP	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 12/31/2022

Page 14 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: GUMLETE (continued)			
• GUMLETE Fenugreek Gum	OUV3-WUAGHJD	Pareve	Ⓢ Symbol required.
• GUMLETE GUM ARABIC S SD	OUV3-3495744	Pareve	Ⓢ Symbol required.
• GUMLETE GUM ARABIC USP #1 SD	OUV3-10F3BC9	Pareve	Ⓢ Symbol required.
• GUMLETE MC-0916	OUV3-7470C64	Pareve	Ⓢ Symbol required.
• GUMLETE PECTIN HM 150	OUV3-AWTT5DI	Pareve	Ⓢ Symbol required.
• GUMLETE PECTIN HM 64	OUV3-EKOSSTK	Pareve	Ⓢ Symbol required.
• GUMLETE PECTIN HM 70	OUV3-QWS2YSC	Pareve	Ⓢ Symbol required.
• GUMLETE PECTIN HM 70/72	OUV3-NDT2BHJ	Pareve	Ⓢ Symbol required.
• GUMLETE PECTIN LM 35/41	OUV3-0HHNA8A	Pareve	Ⓢ Symbol required.
• GUMLETE PECTIN LM 50	OUV3-VCGFP3M	Pareve	Ⓢ Symbol required.
• GUMLETE PECTIN LMA 21/24	OUV3-D717261	Pareve	Ⓢ Symbol required.
• GUMLETE PECTIN SS 62	OUV3-CBD80BA	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 12/31/2022

Page 15 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Gumplete (continued)			
• GUMplete PGA-M	OUV3-5ZLQIF2	Pareve	Ⓢ Symbol required.
• GUMplete PSYLLIUM HUSK 95% NT	OUV3-KJ9ZR9Q	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER HYDRO-FI CCX-1028	OUV3-E38A0F9	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER AC-0112	OUV3-FC6E25D	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER AG-0312	OUV3-8C0E91D	Pareve	Ⓢ Symbol required.
• GUMplete Stabilizer AKX-1101	OUV3-I7HFCFS	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER AM-0504	OUV3-P5MDPYI	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER AXC-1031	OUV3-1248754	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER CC-0801	OUV3-GXVH4BC	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER CDS-102	OUV3-5AYLTLY	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER CDS-104N	OUV3-2G1OHYV	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER CKLX-MS	OUV3-YNNTUK1	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 12/31/2022

Page 16 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: GUMplete (continued)			
• GUMplete STABILIZER CKX-FR	OUV3-06BFXIJ	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER CP-1210	OUV3-69CC00E	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER CT-0930	OUV3-C008909	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER CX-0230	OUV3-BFD64AC	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER CX-BD-1R	OUV3-F999E08	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER CXC-1224	OUV3-4CE41ED	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER CXP-BD-1	OUV3-3345477	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER CXT-0214	OUV3-UQAO9TT	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER DS-101	OUV3-ZV0UV13	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER EG-1003	OUV3-7C6B78F	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER GC PRO	OUV3-DJJ69R6	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER GPG-M	OUV3-CFA2FD2	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 12/31/2022

Page 17 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: GUMLETE (continued)			
• GUMLETE STABILIZER HC-1114	OUV3-NDAKBPG	Pareve	Ⓢ Symbol required.
• GUMLETE STABILIZER HCS-1	OUV3-211464E	Pareve	Ⓢ Symbol required.
• GUMLETE STABILIZER HYDRO-FI XCT-0123	OUV3-161D8D1	Pareve	Ⓢ Symbol required.
• GUMLETE STABILIZER JB-900	OUV3-TXOL9ER	Pareve	Ⓢ Symbol required.
• GUMLETE STABILIZER KFG-0223	OUV3-E5PO9WV	Pareve	Ⓢ Symbol required.
• GUMLETE STABILIZER KSP-1R	OUV3-RSX56IH	Pareve	Ⓢ Symbol required.
• GUMLETE STABILIZER KT-MS	OUV3-0B58E2D	Pareve	Ⓢ Symbol required.
• GUMLETE STABILIZER KX-BS	OUV3-B7B7033	Pareve	Ⓢ Symbol required.
• GUMLETE STABILIZER KX-ED	OUV3-82AE8F5	Pareve	Ⓢ Symbol required.
• GUMLETE STABILIZER LACX-0720	OUV3-JZVXAVE	Pareve	Ⓢ Symbol required.
• GUMLETE STABILIZER LGAX-0430	OUV3-MWVHVGU	Pareve	Ⓢ Symbol required.
• GUMLETE STABILIZER LGC-0613	OUV3-C95BEB1	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 12/31/2022

Page 18 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: GUMplete (continued)			
• GUMplete STABILIZER LXAA-0722	OUV3-LTZIQSM	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER PF-3	OUV3-6622511	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER ST-101	OUV3-TKW1ZJZ	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER STC-101	OUV3-7734B8B	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER TC-0411	OUV3-9CEC2B8	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER VPB-1	OUV3-6147FAC	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER WF-1	OUV3-1CAGRSX	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER XA-0823	OUV3-5A1B16D	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER XA-1205	OUV3-8B00D8C	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER XAC-LH	OUV3-136AB2F	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER XAG-0325	OUV3-ODCZDMR	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER XC-0409	OUV3-26C744B	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 12/31/2022

Page 19 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Gumplete (continued)			
• GUMplete STABILIZER XC-0430	OUV3-1CCC192	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER XC-0508	OUV3-5FA207D	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER XC-0707	OUV3-J4KS4PN	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER XCT-0922	OUV3-RV5N27H	Pareve	Ⓢ Symbol required.
• GUMplete STABILIZER XPG-0828	OUV3-9B60F5E	Pareve	Ⓢ Symbol required.
• GUMplete TRAGACANTH	OUV3-RVJFENH	Pareve	Ⓢ Symbol required.
• GUMplete™ GUM ARABIC S SD	OUV3-ED48B70	Pareve	Ⓢ Symbol required.
• GUMplete™ PECTIN LM 35/41	OUV3-8968416	Pareve	Ⓢ Symbol required.
• GUMplete™ Stabilizer DS-101	OUV3-DF850A7	Pareve	Ⓢ Symbol required.
• GUMplete™ STABILIZER ST-101	OUV3-5ADBC72	Pareve	Ⓢ Symbol required.
• STABILIZER HYDRO-FI TC-1123	OUV3-65FE48F	Pareve	Ⓢ Symbol required.
• Vegetable Blend	OUV3-ZQVUUYE	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 12/31/2022

Page 20 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: GUMLETE™			
• GUMLETE™ AGAR DENTAL	OUV3-5CF96BC	Pareve	Ⓢ Symbol required.
• GUMLETE™ AGAR-W	OUV3-35811A5	Pareve	Ⓢ Symbol required.
• GUMLETE™ STABILIZER AX-0423	OUV3-89EF4D1	Pareve	Ⓢ Symbol required.
• GUMLETE™ STABILIZER GXC-0906	OUV3-7EA7C58	Pareve	Ⓢ Symbol required.
• GUMLETE™ Stabilizer ST-0308	OUV3-UJM7GNK	Pareve	Ⓢ Symbol required.
• LBG GB-1 GUMLETE™ Basics LBG 1	OUV3-RTWUKO4	Pareve	Ⓢ Symbol required.
Brand: Nutriloid®			
• Nutriloid® Arabic Spray Dry	OUV3-BW5BXPW	Pareve	Ⓢ Symbol required.
• Nutriloid® Bamboo Fiber	OUV3-RITMLEM	Pareve	Ⓢ Symbol required.
• Nutriloid® Gum Arabic FT	OUV3-GI79QCL	Pareve	Ⓢ Symbol required.
• Nutriloid® Gum Arabic FT-90	OUV3-CE5S1U9	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 12/31/2022

Page 21 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Nutriloid® (continued)			
• Vegetable Blends	OUV3-CC39979	Pareve	Ⓢ Symbol required.
Brand: OptiCellulose			
• 75000394 OptiCellulose Syrup 2600	OUV3-OTTV9SQ	Pareve	Ⓢ Symbol required.
• Vegetable Blends	OUV3-772DC66	Pareve	Ⓢ Symbol required.
Brand: Precisa			
• PRECISA BAKE 120 i	OUV3-LPYR05M	Pareve	Ⓢ Symbol required.
• PRECISA BAKE 130	OUV3-BMHQEGE	Pareve	Ⓢ Symbol required.
• PRECISA CLING 25 i	OUV3-12ACD41	Pareve	Ⓢ Symbol required.
• PRECISA CLING 30	OUV3-1309139	Pareve	Ⓢ Symbol required.
• PRECISA CREAM 1100	OUV3-D0JAPPQ	Pareve	Ⓢ Symbol required.
• PRECISA CREAM 1300 i	OUV3-N1LOXIX	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 12/31/2022



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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Precisa (continued)			
• PRECISA CREAM 1400 i	OUV3-OGLWATL	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Gel MCH 5795	OUV3-C09769A	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Lact DCM 5298	OUV3-3D539A9	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Lact DCM 5298	OUV3-7E488C3	Pareve	Ⓢ Symbol required.
• Vegetable Blends	OUV3-8E62FB5	Pareve	Ⓢ Symbol required.
Brand: PRECISA®			
• PRECISA® BAKE 140	OUV3-QKRKCEE	Pareve	Ⓢ Symbol required.
• PRECISA® BAKE 150	OUV3-0CGOAHM	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Gel MCH 5461	OUV3-LQHEAZV	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Gel MCH 5775	OUV3-IMHFS8A	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Gel MCH 6009	OUV3-GNVYQAB	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 12/31/2022

Page 23 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredion Incorporated (Gums) (continued)

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: PRECISA® (continued)			
• PRECISA® Carra Gel PFP 5750	OUV3-HCUWPS6	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Gel PGU 5609	OUV3-O46LYTK	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Lact DCM 5365	OUV3-2CEPVUU	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Lact DCM 5488	OUV3-SYON7UO	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Lact DCM 5661	OUV3-DFCOTQA	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Lact DCM 6166	OUV3-1BASWFR	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Lact DDE 5509	OUV3-MQYZPHT	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Lact DGU 5698	OUV3-T3K4F4D	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Lact DIC 5350	OUV3-EX5Q2AQ	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Lact PGU 5303	OUV3-M1ORHQ6	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Lact PGU 5785	OUV3-XDKRWCM	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Lact PPD 5424	OUV3-UTAKGTK	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: PRECISA® (continued)			
• PRECISA® Carra Lact PPD 5726	OUV3-Y4BFTTK	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Sol PFP 5337	OUV3-CFS0LLG	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Sol PGU 5339	OUV3-GSTGZEJ	Pareve	Ⓢ Symbol required.
• PRECISA® Carra Sol PGU 5435F	OUV3-MMOWBXY	Pareve	Ⓢ Symbol required.
• PRECISA® Carra? Gel PGU 6011	OUV3-LJJKMNT	Pareve	Ⓢ Symbol required.
• PRECISA® Carra? Gel PGU 6073	OUV3-WNGLYVL	Pareve	Ⓢ Symbol required.
• PRECISA® Carra? Gel PWJ 6233	OUV3-C9MRS6P	Pareve	Ⓢ Symbol required.
• PRECISA® CLING 1410 i	OUV3-YWYVDNK	Pareve	Ⓢ Symbol required.
• PRECISA® CLING 60 i	OUV3-HCQBY4R	Pareve	Ⓢ Symbol required.
• PRECISA® GEL 10	OUV3-J1U7IAA	Pareve	Ⓢ Symbol required.
• PRECISA® GEL 20	OUV3-NLX5MAE	Pareve	Ⓢ Symbol required.
• PRECISA® GEL 21	OUV3-QBYAM5H	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 12/31/2022

Page 25 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Pre-Hydrated®			
• 75000914CA Pre-Hydrated® TICorganic® Arabic SD	OUV3-LPEJHVD	Pareve	Ⓢ Symbol required.
• Pre-hydrated TICorganic Inulin Agave	OUV3-2WHC9KW	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Action Gum 10000 EC	OUV3-BFQYBBB	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Action Gum 1144 EC	OUV3-J59UXUM	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Action Gum 1144 Powder	OUV3-LYAIOT4	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Aragum® OG T-2002	OUV3-JDOHB9G	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Dairyblend Whipped Foam Powder	OUV3-M7ZJVJL	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Guar Gum 8/24 Powder	OUV3-C68F10F	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® GuarNT® Bland Powder	OUV3-QWEVMCJ	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® GuarNT® Flavor Free 4000	OUV3-DXFMJOJT	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® GuarNT® USA 8/22	OUV3-ICE0WU8	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Gum Arabic FT	OUV3-MDRXX75	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Pre-Hydrated® (continued)			
• Pre-Hydrated® Gum Arabic FT-1	OUV3-F7GRBUI	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Gum Arabic FT-40556	OUV3-AYQYIQT	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Gum Arabic SF Powder	OUV3-CYKGMJJ	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Gum Arabic Spray Dry Powder	OUV3-0XM6AXT	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Pectin 1400	OUV3-D5B0481	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Pectin HM Rapid Powder	OUV3-ZTSMNOR	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Saladizer® 250 Powder	OUV3-UQQNKTR	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Stabilizer OG XC-8444	OUV3-DN9KRW8	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Stabilizer WT-2	OUV3-9DVFJV0	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Stabilizer XC-8444	OUV3-UB7FEUL	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Stabilizer XC-8444 Powder	OUV3-FMMBJVD	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Stabilizer XC-8444-N	OUV3-LSWY3OP	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 12/31/2022

Page 27 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Pre-Hydrated® (continued)			
• Pre-Hydrated® TICA-algin® 400 F	OUV3-KG6HCWT	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® TICA-algin® 602	OUV3-UW2TBTS	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® TICA-algin® HG 400	OUV3-CWTFWAR	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaloid®	OUV3-A18DF28	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaloid® 1155 Non-GMO	OUV3-CIINIT0	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaloid® 210 "S" Powder	OUV3-E0VK7XS	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaloid® 434	OUV3-Y8H2M8N	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaloid® 5415 Powder	OUV3-61CF50E	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaloid® 5415-1	OUV3-9M4QJWA	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaloid® Acidified Beverage 10	OUV3-XQYYR1H	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaloid® PRO 181 AG	OUV3-25055DD	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticalose® 400 SF Powder	OUV3-ZL7E5SB	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Pre-Hydrated® (continued)			
• Pre-Hydrated® Ticalose® CMC 15 Powder	OUV3-2QBOMOG	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticalose® CMC 2500 Powder	OUV3-89DXHHT	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticalose® CMC 6000 Powder	OUV3-HCFCXMG	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaxan® Rapid NGMO	OUV3-THF8HQE	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaxan® Rapid Powder	OUV3-3N4VMVK	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaxan® Rapid-3 INT	OUV3-GP2WJVE	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaxan® Rapid-3 NGMO	OUV3-3SHOWQV	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaxan® Rapid-3 Powder	OUV3-U0QRVEB	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaxan® Smooth Powder	OUV3-6VF64NI	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaxan® Xanthan	OUV3-TJGOUTW	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaxan® Xanthan EC	OUV3-UKZFYUO	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaxan® Xanthan EC NGMO	OUV3-IWURIM0	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Pre-Hydrated® (continued)			
• Pre-Hydrated® Ticaxan® Xanthan EC NGMOPV	OUV3-0672280	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Ticaxan® Xanthan Powder	OUV3-2OJJNRZ	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® TICorganic® Arabic SD	OUV3-GVRI4UV	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® TICorganic® Guar 3500 F	OUV3-5XC5YS3	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® TICorganic® Gum Arabic SF	OUV3-ETMKVSQ	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® TICorganic® Saladizer®	OUV3-JHQ8PVI	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Xanthan Rapid 3-EC	OUV3-BYIUFHF	Pareve	Ⓢ Symbol required.
Brand: Pre-Hydrated® Ticaloid®			
• Pre-Hydrated® Ticaloid® Acacia MAX	OUV3-RMSVXDH	Pareve	Ⓢ Symbol required.
Brand: Saladizer®			
• Saladizer® #110 Powder	OUV3-6F1FAE3	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Saladizer® (continued)			
• Saladizer® 210 Powder	OUV3-6QAE1E3	Pareve	Ⓢ Symbol required.
• Saladizer® 228 M Powder	OUV3-H0EPZJ6	Pareve	Ⓢ Symbol required.
• Saladizer® 232	OUV3-THWV7B	Pareve	Ⓢ Symbol required.
• Saladizer® 243 M Powder	OUV3-SBAT2E2	Pareve	Ⓢ Symbol required.
• Saladizer® 250 Powder	OUV3-6EROE2A	Pareve	Ⓢ Symbol required.
• Saladizer® 420	OUV3-LRCAHTN	Pareve	Ⓢ Symbol required.
• Saladizer® 702 Powder	OUV3-WDVGRE8	Pareve	Ⓢ Symbol required.
• Saladizer® Dairy Stabilizer	OUV3-RJYIOGX	Pareve	Ⓢ Symbol required.
• Saladizer® FB-50	OUV3-DIITCS	Pareve	Ⓢ Symbol required.
• Saladizer® MAX	OUV3-6843FE7	Pareve	Ⓢ Symbol required.
• Saladizer® Max Complete	OUV3-MUZU722	Pareve	Ⓢ Symbol required.
• Saladizer® Max Complete FS EC	OUV3-YPOMYPT	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 12/31/2022



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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Saladizer® (continued)			
• Saladizer® Mayo Cold Set	OUV3-4QCIEDX	Pareve	Ⓢ Symbol required.
Brand: SIMPLISTICA			
• SIMPLISTICA BK 6202	OUV3-9CC1893	Pareve	Ⓢ Symbol required.
• Simplistica YG 3206	OUV3-2AF5AD9	Pareve	Ⓢ Symbol required.
• Vegetable Blends	OUV3-DDBDD53	Pareve	Ⓢ Symbol required.
Brand: Supercol™			
• Supercol™ U2 Guar Gum	OUV3-E7BF13D	Pareve	Ⓢ Symbol required.
Brand: TIC Gums			
• DAIR CF20 Darifair Stabilizer CF20	OUV3-IZCEDXI	Pareve	Ⓢ Symbol required.
• EXB 7107-MBN-122019-A	OUV3-BD84A7D	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 12/31/2022

Page 32 of 72



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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Tic Gums (continued)			
• EXB 7107-MBN-122019-B	OUV3-60D9987	Pareve	Ⓢ Symbol required.
Brand: TIC Pretested®			
• STAB ICE-200 FF TIC Pretested® Stabilizer ICE-200 Flavor Free	OUV3-KBUZUHY	Pareve	Ⓢ Symbol required.
• TIC Pretested Locust Bean Gum POR/A2	OUV3-8FEE24B	Pareve	Ⓢ Symbol required.
• TIC Pretested® Acacia #2 Crude Sorts	OUV3-NTLRDL4	Pareve	Ⓢ Symbol required.
• TIC Pretested® Agar Agar 100 Powder	OUV3-14B14BD	Pareve	Ⓢ Symbol required.
• TIC Pretested® Agar Agar 100-44 HG	OUV3-8NGVZGB	Pareve	Ⓢ Symbol required.
• TIC Pretested® Agar Agar 222	OUV3-2L8XIMA	Pareve	Ⓢ Symbol required.
• TIC Pretested® Agar RS-111	OUV3-6BYD0I	Pareve	Ⓢ Symbol required.
• TIC Pretested® Apple Pectin 1500	OUV3-PI2CA0W	Pareve	Ⓢ Symbol required.
• TIC Pretested® Apple Pectin AM 800	OUV3-I9XPIIF	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: TIC Pretested® (continued)			
• TIC Pretested® Apple Pectin HM Slow Set	OUV3-557ARM7	Pareve	Ⓢ Symbol required.
• TIC Pretested® Apple Pectin HM Slow Set 3	OUV3-TMIGPSQ	Pareve	Ⓢ Symbol required.
• TIC Pretested® Apple Pectin LMA	OUV3-7HG7RIE	Pareve	Ⓢ Symbol required.
• TIC Pretested® Blend 2005 Powder	OUV3-CXYMDNA	Pareve	Ⓢ Symbol required.
• TIC Pretested® Bright Gum Arabic Powder	OUV3-NCCKWAC	Pareve	Ⓢ Symbol required.
• TIC Pretested® Burtonite 44 C Powder	OUV3-GW5VEVT	Pareve	Ⓢ Symbol required.
• TIC Pretested® Burtonite W 88 C Powder	OUV3-3RY8P9I	Pareve	Ⓢ Symbol required.
• TIC Pretested® Freedom Gum X-PGA/HV Powder	OUV3-4BKWB55	Pareve	Ⓢ Symbol required.
• TIC Pretested® Freedom Gum X-PGA/LV Powder	OUV3-M6PTVBZ	Pareve	Ⓢ Symbol required.
• TIC Pretested® Guar 8/22-HW Powder	OUV3-J0BWNM4	Pareve	Ⓢ Symbol required.
• TIC Pretested® Guar Food RG	OUV3-GFOBBJ6	Pareve	Ⓢ Symbol required.
• TIC Pretested® Guar Gum 1308-Low	OUV3-HAEFHGX	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: TIC Pretested® (continued)			
• TIC Pretested® Guar Gum 578 Powder	OUV3-KI9KHMG	Pareve	Ⓢ Symbol required.
• TIC Pretested® Guar Gum 8/24 Powder	OUV3-MFXMRVT	Pareve	Ⓢ Symbol required.
• TIC Pretested® Guar Gum 8/26 Powder	OUV3-70A30E5	Pareve	Ⓢ Symbol required.
• TIC Pretested® Guar Gum K1-D	OUV3-XDG7GMG	Pareve	Ⓢ Symbol required.
• TIC Pretested® Guar Industrial	OUV3-N1MPI6D	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Arabic BEV-101 GR	OUV3-561AFED	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Arabic BEV-202 Powder	OUV3-FFB69ES	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Arabic Bev-505	OUV3-WD2UAXE	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Arabic Clean Amber Sorts	OUV3-RPLBUMY	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Arabic FT Powder	OUV3-ABD4EBA	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Arabic FT Spray Dry Powder	OUV3-6KNJUBX	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Arabic FT-1 NS	OUV3-SLLIBN5	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 12/31/2022

Page 35 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: TIC Pretested® (continued)			
• TIC Pretested® Gum Arabic FT-1 Powder	OUV3-OAK7WYL	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Arabic Industrial	OUV3-KQXXG3H	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Arabic Prehydrated KC Powder	OUV3-FI7H9DV	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Arabic SF Powder	OUV3-33UYMXT	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Arabic Spray Dry EP Powder	OUV3-JPYRCYP	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Arabic Spray Dry Powder	OUV3-52C56CC	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Guar 650 C-PM	OUV3-3B0BC57	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Guar 8/22	OUV3-IYSJRQK	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Guar 8/22 A Powder	OUV3-D8BSTUW	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Guar 8/22 Powder	OUV3-0H0FTDR	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Guar 8/24 Powder	OUV3-70JP6KI	Pareve	Ⓢ Symbol required.
• TIC Pretested® Gum Guar TICOLV Powder	OUV3-YRMXCIO	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: TIC Pretested® (continued)			
• TIC Pretested® Gum Guar TICOLV-11 Powder	OUV3-VF5NEEM	Pareve	Ⓢ Symbol required.
• TIC Pretested® Inulin LV 110 Powder	OUV3-ASON5X5	Pareve	Ⓢ Symbol required.
• TIC Pretested® Locust Bean Gum POR/A Powder	Ouw3-MEDUKY1	Pareve	Ⓢ Symbol required. Certified for Passover and year-round use.
• TIC Pretested® Locust Bean Gum POR/A2 Powder	Ouv3-C9E666F	Pareve	Ⓢ Symbol required.
• TIC Pretested® Locust Bean Por/A-578	Ouv3-L1TENRY	Pareve	Ⓢ Symbol required.
• TIC Pretested® Powdered Guar Gum	Ouv3-F2MPUJL	Pareve	Ⓢ Symbol required.
• TIC Pretested® Ridgefield Smoothie Cup Stabilizer 2	Ouv3-ABGRGWX	Pareve	Ⓢ Symbol required.
• TIC Pretested® Rolling Pin Donut Glaze	Ouv3-61ZwV3A	Pareve	Ⓢ Symbol required.
• TIC Pretested® RP Yeast Raised Donut Stab	Ouv3-9D49NFN	Pareve	Ⓢ Symbol required.
• TIC Pretested® Stabilizer 10749-PC Powder	Ouv3-MCKGMGH	Pareve	Ⓢ Symbol required.
• TIC Pretested® Stabilizer 424 Powder	Ouv3-E538B8D	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 12/31/2022

Page 37 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: TIC Pretested® (continued)			
• TIC Pretested® Stabilizer Bev 550	OUV3-HL5JFML	Pareve	Ⓢ Symbol required.
• TIC Pretested® Stabilizer Coating X Powder	OUV3-QVO85UW	Pareve	Ⓢ Symbol required.
• TIC Pretested® Stabilizer Culinary Foam	OUV3-1DLVSLX	Pareve	Ⓢ Symbol required.
• TIC Pretested® Stabilizer DF-866 Powder	OUV3-HOELLB1	Pareve	Ⓢ Symbol required.
• TIC Pretested® Stabilizer Dust Free-862-M	OUV3-M0R8QWE	Pareve	Ⓢ Symbol required.
• TIC Pretested® Stabilizer Frosting CF	OUV3-LRTI5KB	Pareve	Ⓢ Symbol required.
• TIC Pretested® Stabilizer ICE 300	OUV3-NRYMYUB	Pareve	Ⓢ Symbol required.
• TIC Pretested® Stabilizer ICE-200 Powder	OUV3-4TN37UU	Pareve	Ⓢ Symbol required.
• TIC Pretested® Stabilizer Icing	OUV3-ONEF09A	Pareve	Ⓢ Symbol required.
• TIC Pretested® Stabilizer OG XC-424 HD	OUV3-OUCICUV	Pareve	Ⓢ Symbol required.
• TIC Pretested® Stabilizer Salt Blend NBE-A3032B	OUV3-0TGDLRP	Pareve	Ⓢ Symbol required.
• TIC Pretested® Stabilizer SOFT SERVE Powder	OUV3-EI2XXBC	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: TIC Pretested® (continued)			
• TIC Pretested® Stabilizer Water Ice Powder	OUV3-YHQNBOR	Pareve	Ⓢ Symbol required.
• TIC Pretested® Stabilizer XC-424	OUV3-I9KB77R	Pareve	Ⓢ Symbol required.
• TIC Pretested® Stabilizer XC-424 FF	OUV3-AMGAX5Y	Pareve	Ⓢ Symbol required.
• TIC Pretested® Tara Gum 100	OUV3-CAE7A75	Pareve	Ⓢ Symbol required.
• TIC Pretested® Tomato Paste Extender Powder	OUV3-GLBDKEB	Pareve	Ⓢ Symbol required.
• TICA-algin® PGA LV Powder	OUV3-BMGTTWC	Pareve	Ⓢ Symbol required.
Brand: TIC Pretested® Pectin			
• CMCM TIC Pretested® Tara Gum 100	OUV3-46K4IDJ	Pareve	Ⓢ Symbol required.
• Pre-Hydrated® Pectin 1694 Powder	OUV3-FPEL4TY	Pareve	Ⓢ Symbol required.
• TIC Pretested® Pectin 1400	OUV3-O4KUODG	Pareve	Ⓢ Symbol required.
• TIC Pretested® Pectin 500	OUV3-K5C5NGS	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 12/31/2022

Page 39 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: TIC Pretested® Pectin (continued)			
• TIC Pretested® Pectin AM 800	OUV3-XEQ8YSJ	Pareve	Ⓢ Symbol required.
• TIC Pretested® Pectin HM Rapid Set	OUV3-MTXDW22	Pareve	Ⓢ Symbol required.
• TIC Pretested® Pectin HM Slow Set	OUV3-8TNIJCH	Pareve	Ⓢ Symbol required.
• TIC Pretested® Pectin HM Slow Set 3	OUV3-R15DI5Z	Pareve	Ⓢ Symbol required.
• TIC Pretested® Pectin HM Slow Set NGMO	OUV3-GAX5KQR	Pareve	Ⓢ Symbol required.
• TIC Pretested® Pectin JELS Powder	OUV3-RJCO8LA	Pareve	Ⓢ Symbol required.
• TIC Pretested® Pectin LM 32 Powder	OUV3-CWED4TO	Pareve	Ⓢ Symbol required.
• TIC Pretested® Pectin LM 35 Powder	OUV3-LX1P4MK	Pareve	Ⓢ Symbol required.
• Vegetable Blends	OUV3-TMI8TGQ	Pareve	Ⓢ Symbol required.
Brand: TICA-algin			
• TICA-algin® SQ 900 Powder	OUV3-06E17A3	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: TICA-algin (continued)			
• Vegetable Blends	OUV3-5A320CF	Pareve	Ⓢ Symbol required.
Brand: TICA-algin®			
• ALGIN HG-411 K TICA-algin® HG 411 K	OUV3-PVFNS2R	Pareve	Ⓢ Symbol required.
• GUMLETE™ ALGIN SA	OUV3-0C22D22	Pareve	Ⓢ Symbol required.
• TICA-algin® 400 Powder	OUV3-54E32DE	Pareve	Ⓢ Symbol required.
• TICA-algin® 488-T27361	OUV3-8DO1102	Pareve	Ⓢ Symbol required.
• TICA-algin® 900 Powder	OUV3-DVW63O2	Pareve	Ⓢ Symbol required.
• TICA-algin® Cam	OUV3-92GCI8L	Pareve	Ⓢ Symbol required.
• TICA-algin® HG 400 Powder	OUV3-BFWLAEV	Pareve	Ⓢ Symbol required.
• TICA-algin® HG 600 F Powder	OUV3-X1UTZAL	Pareve	Ⓢ Symbol required.
• TICA-algin® PGA LV Powder	OUV3-VXFDW8I	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: TICA-algin® (continued)			
• TICA-algin® RS-O	OUV3-DGIQXOB	Pareve	Ⓢ Symbol required.
• TICA-algin® SQ 951	OUV3-D05KYYL	Pareve	Ⓢ Symbol required.
Brand: TICACEL			
• TICACEL 100 Cellulose Powder	OUV3-RTDVPB8	Pareve	Ⓢ Symbol required.
• Ticacel 200	OUV3-NSXLMOT	Pareve	Ⓢ Symbol required.
Brand: TICACEL®			
• TICA MC VX TICACEL® MC VX	OUV3-YNQBKSB	Pareve	Ⓢ Symbol required.
• Ticacel HV Powder	OUV3-AEF2E93	Pareve	Ⓢ Symbol required.
• TICACEL® 300 MCC	OUV3-3D4CC75	Pareve	Ⓢ Symbol required.
• TICACEL® 824-MP Powder	OUV3-Z72GWOL	Pareve	Ⓢ Symbol required.
• TICACEL® HV Powder	OUV3-UC3RTFJ	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 12/31/2022

Page 42 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: TICACEL® (continued)			
• TICACEL® LV Powder	OUV3-DREPJ8T	Pareve	Ⓢ Symbol required.
• TICACEL® MC E4M	OUV3-HVDSFCN	Pareve	Ⓢ Symbol required.
• TICACEL® MC E50	OUV3-KRPCJSV	Pareve	Ⓢ Symbol required.
• TICACEL® MC F4M	OUV3-Q8BUHHY	Pareve	Ⓢ Symbol required.
• TICACEL® MC K4M	OUV3-KFO2JAJ	Pareve	Ⓢ Symbol required.
• TICACEL® MCC FG-100 Powder	OUV3-U6JZINI	Pareve	Ⓢ Symbol required.
Brand: Ticacia®			
• Ticacia® 200-SBI	OUV3-EOLGSL0	Pareve	Ⓢ Symbol required.
Brand: TicaDRINK			
• Vegetable Blends	OUV3-FA0F4FA	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredion Incorporated (Gums) (continued)

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: Ticafilm®			
• Ticafilm® 25	OUV3-DAD15DD	Pareve	Ⓢ Symbol required.
• Ticafilm® FM	OUV3-9C6BB35	Pareve	Ⓢ Symbol required.
• Ticafilm® T 19	OUV3-A7B1D08	Pareve	Ⓢ Symbol required.
• Ticafilm® T 52	OUV3-0E6224E	Pareve	Ⓢ Symbol required.
Brand: Ticagel®			
• 75000630CA Ticagel® Bind 55-AK	OUV3-HIGYROS	Pareve	Ⓢ Symbol required.
• 75000865 Ticagel Konjac OG HV	OUV3-FNQEKFE	Pareve	Ⓢ Symbol required.
• 75000935CA Ticagel® CA 0979 M	OUV3-TB5NH01	Pareve	Ⓢ Symbol required.
• 75000948CA GD-616	OUV3-9V19KDG	Pareve	Ⓢ Symbol required.
• TGEL PPS-2 Ticagel® PPS-2	OUV3-WIUP0QJ	Pareve	Ⓢ Symbol required.
• Ticagel Bind-KX	OUV3-350C4C7	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 12/31/2022

Page 44 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticagel® (continued)			
• Ticagel Gellan HS	OUV3-RLCMOSC	Pareve	Ⓢ Symbol required.
• Ticagel® 109-VC Powder	OUV3-IBN02NT	Pareve	Ⓢ Symbol required.
• Ticagel® 1103	OUV3-UHQTYFE	Pareve	Ⓢ Symbol required.
• Ticagel® 121-AGF Powder	OUV3-PITXO7R	Pareve	Ⓢ Symbol required.
• Ticagel® 157-M	OUV3-LUGRP8Q	Pareve	Ⓢ Symbol required.
• Ticagel® 212-GA	OUV3-W7EOGTV	Pareve	Ⓢ Symbol required.
• Ticagel® 230	OUV3-3D43477	Pareve	Ⓢ Symbol required.
• Ticagel® 425-KC Powder	OUV3-3RVGENH	Pareve	Ⓢ Symbol required.
• Ticagel® 427	OUV3-8433779	Pareve	Ⓢ Symbol required.
• Ticagel® 500 FL	OUV3-66AF804	Pareve	Ⓢ Symbol required.
• Ticagel® 550-PT Powder	OUV3-AGHP2YS	Pareve	Ⓢ Symbol required.
• Ticagel® 610	OUV3-JZF3GFT	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredion Incorporated (Gums) (continued)

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: Ticagel® (continued)			
• Ticagel® 795 Powder	OUV3-NDHZ2OF	Pareve	Ⓢ Symbol required.
• Ticagel® 822	OUV3-RXTGCPY	Pareve	Ⓢ Symbol required.
• Ticagel® 93-GLT	OUV3-O4JDEFI	Pareve	Ⓢ Symbol required.
• Ticagel® Bakery Filling 20 CL	OUV3-46BFC1B	Pareve	Ⓢ Symbol required.
• Ticagel® Bind 1000	OUV3-6VBUCHF	Pareve	Ⓢ Symbol required.
• Ticagel® Bind KX 35	OUV3-KQYHURT	Pareve	Ⓢ Symbol required.
• Ticagel® Bind-KX	OUV3-XOSO33V	Pareve	Ⓢ Symbol required.
• Ticagel® Bind-KX EC	OUV3-HUSZT6J	Pareve	Ⓢ Symbol required.
• Ticagel® CSW-100 Powder	OUV3-7GWYWCE	Pareve	Ⓢ Symbol required.
• Ticagel® G-07	OUV3-1GSEHDS	Pareve	Ⓢ Symbol required.
• Ticagel® GC-564 S	OUV3-ANIEFWP	Pareve	Ⓢ Symbol required.
• Ticagel® GC-581 B	OUV3-V3NXQJ8	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredion Incorporated (Gums) (continued)

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: Ticagel® (continued)			
• Ticagel® GD-617	OUV3-B818B73	Pareve	Ⓢ Symbol required.
• Ticagel® Gellan DP NGMO	OUV3-7UHEIII	Pareve	Ⓢ Symbol required.
• Ticagel® Gellan DPB	OUV3-GKCKTPO	Pareve	Ⓢ Symbol required.
• Ticagel® Gellan HS	OUV3-6QGRPOI	Pareve	Ⓢ Symbol required.
• Ticagel® Gellan HS NGMO	OUV3-HZ7MJAL	Pareve	Ⓢ Symbol required.
• Ticagel® Gellan L-6	OUV3-5JE8R3E	Pareve	Ⓢ Symbol required.
• Ticagel® GL-RS	OUV3-TJZUX5Q	Pareve	Ⓢ Symbol required.
• Ticagel® Konjac High Viscosity	OUV3-43GXR8	Pareve	Ⓢ Symbol required.
• Ticagel® ME Stabilizer 101	OUV3-C0GTDGJ	Pareve	Ⓢ Symbol required.
• Ticagel® Natural GC-581 B	OUV3-WQUPTKO	Pareve	Ⓢ Symbol required.
• Ticagel® Natural GC-581 B CN	OUV3-XQ7BEF6	Pareve	Ⓢ Symbol required.
• Ticagel® Natural GC-592 SF	OUV3-83B3ED3	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 12/31/2022

Page 47 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticagel® (continued)			
• Ticagel® PF-80 Powder	OUV3-UOTHAXT	Pareve	Ⓢ Symbol required.
• Ticagel® PF-91	OUV3-P1T1Y6R	Pareve	Ⓢ Symbol required.
• Ticagel® PG-730 FF	OUV3-J1M3MQO	Pareve	Ⓢ Symbol required.
• Ticagel® PG-730 Powder	OUV3-S8RGR3S	Pareve	Ⓢ Symbol required.
• Ticagel® PP-601	OUV3-WBK3OIU	Pareve	Ⓢ Symbol required.
• Ticagel® SPA-3	OUV3-YMRN0VO	Pareve	Ⓢ Symbol required.
• Vegetable Blends	OUV3-ABEEE0D	Pareve	Ⓢ Symbol required.
Brand: Ticaloid®			
• 75000772CA Ticaloid® PRO 122 RD	OUV3-KMRJ6A8	Pareve	Ⓢ Symbol required.
• COLL 710 H Ticaloid 710 H Powder	OUV3-G07IU6L	Pareve	Ⓢ Symbol required.
• TICA 725 Ticaloid® 725	OUV3-PPSWGQW	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticaloid® (continued)			
• TICA ACAC MAX Ticaloid® Acacia MAX	OUV3-1ZRDCW4	Pareve	Ⓢ Symbol required.
• TICA APSG-87330 TICALOID APSG-87330	OUV3-JJ2YENU	Pareve	Ⓢ Symbol required.
• TICA PGGS-87330 TICALOID PGGS-87330	OUV3-AQRUZKM	Pareve	Ⓢ Symbol required.
• Ticaloid 100 POWDER	OUV3-HCSVGIU	Pareve	Ⓢ Symbol required.
• Ticaloid 422 M Powder	OUV3-BQYRR41	Pareve	Ⓢ Symbol required.
• Ticaloid CF-29876	OUV3-ITXA2FJ	Pareve	Ⓢ Symbol required.
• Ticaloid Pro HC 988	OUV3-E4802E1	Pareve	Ⓢ Symbol required.
• Ticaloid Saucier	OUV3-965BA9D	Pareve	Ⓢ Symbol required.
• Ticaloid® 1000	OUV3-NHLQUWW	Pareve	Ⓢ Symbol required.
• Ticaloid® 1004 "T" Powder	OUV3-30CF414	Pareve	Ⓢ Symbol required.
• Ticaloid® 102 S-Mayo Powder	OUV3-S8QGS14	Pareve	Ⓢ Symbol required.
• Ticaloid® 1022 Powder	OUV3-NYE7ADG	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticaloid® (continued)			
• Ticaloid® 1023 "T" Powder	OUV3-I7D4WXJ	Pareve	Ⓢ Symbol required.
• Ticaloid® 1023 T OG	OUV3-2D09F80	Pareve	Ⓢ Symbol required.
• Ticaloid® 1023-GXC	OUV3-CI4KBCN	Pareve	Ⓢ Symbol required.
• Ticaloid® 102-B No Fat Powder	OUV3-XDPR1NL	Pareve	Ⓢ Symbol required.
• Ticaloid® 102-S2 No Fat Powder	OUV3-E0E5AKP	Pareve	Ⓢ Symbol required.
• Ticaloid® 1039 Powder	OUV3-GGDMHMC	Pareve	Ⓢ Symbol required.
• Ticaloid® 1070 Powder	OUV3-900JFJW	Pareve	Ⓢ Symbol required.
• Ticaloid® 1155	OUV3-DXJGJUS	Pareve	Ⓢ Symbol required.
• Ticaloid® 1155 FF	OUV3-6DYVVCD	Pareve	Ⓢ Symbol required.
• Ticaloid® 1499 GX Powder	OUV3-WV5UESN	Pareve	Ⓢ Symbol required.
• Ticaloid® 210 S NGMO	OUV3-CTUGURN	Pareve	Ⓢ Symbol required.
• Ticaloid® 210 S Powder	OUV3-392F465	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticaloid® (continued)			
• Ticaloid® 244	OUV3-VUAFBNX	Pareve	Ⓢ Symbol required.
• Ticaloid® 29561	OUV3-4ECCED3	Pareve	Ⓢ Symbol required.
• Ticaloid® 310 S Stabilizer	OUV3-WKM1FMD	Pareve	Ⓢ Symbol required.
• Ticaloid® 321 S	OUV3-629F636	Pareve	Ⓢ Symbol required.
• Ticaloid® 32345-SP	OUV3-9XD4EWS	Pareve	Ⓢ Symbol required.
• Ticaloid® 35262	OUV3-IWLQGIV	Pareve	Ⓢ Symbol required.
• Ticaloid® 423 Powder	OUV3-FRQRAHB	Pareve	Ⓢ Symbol required.
• Ticaloid® 451 "T" Powder	OUV3-GEGQUK8	Pareve	Ⓢ Symbol required.
• Ticaloid® 451 T EC	OUV3-JOHKZVS	Pareve	Ⓢ Symbol required.
• Ticaloid® 451 T Non-GMO	OUV3-D2EGI3J	Pareve	Ⓢ Symbol required.
• Ticaloid® 472 Powder	OUV3-B12214A	Pareve	Ⓢ Symbol required.
• Ticaloid® 472 Powder	OUV3-B7792C5	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticaloid® (continued)			
• Ticaloid® 500 Powder	OUV3-JSJ1VWA	Pareve	Ⓢ Symbol required.
• Ticaloid® 508 M Powder	OUV3-ADWCYS9	Pareve	Ⓢ Symbol required.
• Ticaloid® 515 M-T Powder	OUV3-DSFVMA	Pareve	Ⓢ Symbol required.
• Ticaloid® 524	OUV3-ERMFK3X	Pareve	Ⓢ Symbol required.
• Ticaloid® 590 "T" Powder	OUV3-DE8MIQQ	Pareve	Ⓢ Symbol required.
• Ticaloid® 600 Powder	OUV3-9UWTFD8	Pareve	Ⓢ Symbol required.
• Ticaloid® 614 Powder	OUV3-FHLQRFO	Pareve	Ⓢ Symbol required.
• Ticaloid® 620	OUV3-4RAXX3M	Pareve	Ⓢ Symbol required.
• Ticaloid® 666-1 Powder	OUV3-VYAETBS	Pareve	Ⓢ Symbol required.
• Ticaloid® 700 Powder	OUV3-GLNGBYD	Pareve	Ⓢ Symbol required.
• Ticaloid® 710 H Powder	OUV3-JHKTCV4	Pareve	Ⓢ Symbol required.
• Ticaloid® 710 H-96 Powder	OUV3-B3HXRPO	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticaloid® (continued)			
• Ticaloid® 710 H-DX	OUV3-CVMLHDC	Pareve	Ⓢ Symbol required.
• Ticaloid® 750	OUV3-1C6B6C1	Pareve	Ⓢ Symbol required.
• Ticaloid® 760 MB Powder	OUV3-TPYNFCS	Pareve	Ⓢ Symbol required.
• Ticaloid® 760 MB-1	OUV3-9D72754	Pareve	Ⓢ Symbol required.
• Ticaloid® 770 MB	OUV3-HPCAWJU	Pareve	Ⓢ Symbol required.
• Ticaloid® 780 MB	OUV3-KAVSCPN	Pareve	Ⓢ Symbol required.
• Ticaloid® 780 MB OG	OUV3-5OSJNOP	Pareve	Ⓢ Symbol required.
• Ticaloid® 780 Stabilizer	OUV3-DOIEPQK	Pareve	Ⓢ Symbol required.
• Ticaloid® 787 Powder	OUV3-ESHSBOY	Pareve	Ⓢ Symbol required.
• Ticaloid® 791	OUV3-LMXLYCA	Pareve	Ⓢ Symbol required.
• Ticaloid® 8212-NM Powder	OUV3-3WWEA3O	Pareve	Ⓢ Symbol required.
• Ticaloid® 825 Powder	OUV3-XSBJROZ	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticaloid® (continued)			
• Ticaloid® 842 Powder	OUV3-WUS5I5R	Pareve	Ⓢ Symbol required.
• Ticaloid® 881 M NGMO	OUV3-KFIXJHC	Pareve	Ⓢ Symbol required.
• Ticaloid® 881 M Powder	OUV3-DC3EEEE	Pareve	Ⓢ Symbol required.
• Ticaloid® 911 Powder	OUV3-F445A42	Pareve	Ⓢ Symbol required.
• Ticaloid® 922	OUV3-WA7PYKM	Pareve	Ⓢ Symbol required.
• Ticaloid® 923	OUV3-4E10AAE	Pareve	Ⓢ Symbol required.
• Ticaloid® Acacia MAX	OUV3-LOIUXG	Pareve	Ⓢ Symbol required.
• Ticaloid® BD-1200	OUV3-8IP8ZLM	Pareve	Ⓢ Symbol required.
• Ticaloid® BD-1800	OUV3-DODWHD1	Pareve	Ⓢ Symbol required.
• Ticaloid® BD-2200	OUV3-7Z4BPGA	Pareve	Ⓢ Symbol required.
• Ticaloid® BD-2500	OUV3-B6IY7KC	Pareve	Ⓢ Symbol required.
• Ticaloid® BD-2801	OUV3-J7KLPHB	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticaloid® (continued)			
• Ticaloid® BD-2828	OUV3-VXEET9B	Pareve	Ⓢ Symbol required.
• Ticaloid® BD-2850	OUV3-OUQUAB9	Pareve	Ⓢ Symbol required.
• Ticaloid® BD-2861	OUV3-BFVJIW0	Pareve	Ⓢ Symbol required.
• Ticaloid® BD-2872	OUV3-DKXMAYR	Pareve	Ⓢ Symbol required.
• Ticaloid® BD-2894	OUV3-5B6W8NW	Pareve	Ⓢ Symbol required.
• Ticaloid® BD-2898	OUV3-0CF606F	Pareve	Ⓢ Symbol required.
• Ticaloid® BEV-3000	OUV3-ZSMIBXM	Pareve	Ⓢ Symbol required.
• Ticaloid® BIND I-96 NGMO	OUV3-BKZS9RY	Pareve	Ⓢ Symbol required.
• Ticaloid® BIND I-96 Powder	OUV3-4339534	Pareve	Ⓢ Symbol required.
• Ticaloid® Cajun-2002 Pre-Hydrated®	OUV3-PKUZR1W	Pareve	Ⓢ Symbol required.
• Ticaloid® CLOUD-GUM Powder	OUV3-7SS6I61	Pareve	Ⓢ Symbol required.
• Ticaloid® CM-2000	OUV3-HJIJAYS	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 12/31/2022

Page 55 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticaloid® (continued)			
• Ticaloid® CM-2058	OUV3-1FWWJCW	Pareve	Ⓢ Symbol required.
• Ticaloid® CM-2069	OUV3-B9DNXAL	Pareve	Ⓢ Symbol required.
• Ticaloid® CM-2300	OUV3-G7THAQG	Pareve	Ⓢ Symbol required.
• Ticaloid® CS 101	OUV3-KU3GRTK	Pareve	Ⓢ Symbol required.
• Ticaloid® DG	OUV3-9J3XXNL	Pareve	Ⓢ Symbol required.
• Ticaloid® DG 671	OUV3-17D1E20	Pareve	Ⓢ Symbol required.
• Ticaloid® DR-1000	OUV3-CXXNKGD	Pareve	Ⓢ Symbol required.
• Ticaloid® DR-1400	OUV3-WS7C7OG	Pareve	Ⓢ Symbol required.
• Ticaloid® DR-1437	OUV3-L6ETFLO	Pareve	Ⓢ Symbol required.
• Ticaloid® DR-1700	OUV3-KHLHASF	Pareve	Ⓢ Symbol required.
• Ticaloid® DR-2000	OUV3-U4ISHDA	Pareve	Ⓢ Symbol required.
• Ticaloid® DR-2400	OUV3-YB5C8BF	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticaloid® (continued)			
• Ticaloid® DR-2422	OUV3-LPGNKUL	Pareve	Ⓢ Symbol required.
• Ticaloid® DR-2700	OUV3-5DBF7T0	Pareve	Ⓢ Symbol required.
• Ticaloid® DR-2701	OUV3-NUJZCKW	Pareve	Ⓢ Symbol required.
• Ticaloid® DRB/4 Powder	OUV3-JFUYTAL	Pareve	Ⓢ Symbol required.
• Ticaloid® FB-1500	OUV3-BXIPANL	Pareve	Ⓢ Symbol required.
• Ticaloid® FB-2900-CN	OUV3-EHG2NTH	Pareve	Ⓢ Symbol required.
• Ticaloid® FB-2911	OUV3-FV6GPJF	Pareve	Ⓢ Symbol required.
• Ticaloid® FB-2933	OUV3-870402D	Pareve	Ⓢ Symbol required.
• Ticaloid® FOLD N FLEX	OUV3-EEVWVWO	Pareve	Ⓢ Symbol required.
• Ticaloid® Frosting 320	OUV3-8904864	Pareve	Ⓢ Symbol required.
• Ticaloid® Frosting Max	OUV3-B1FB773	Pareve	Ⓢ Symbol required.
• Ticaloid® GF 313	OUV3-4269D80	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 12/31/2022

Page 57 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticaloid® (continued)			
• Ticaloid® GF 377	OUV3-911A8CB	Pareve	Ⓢ Symbol required.
• Ticaloid® GR 5420	OUV3-3E7D446	Pareve	Ⓢ Symbol required.
• Ticaloid® GR 5420 NGMO	OUV3-VCAQJH8	Pareve	Ⓢ Symbol required.
• Ticaloid® GR-8700	OUV3-PFYMCAD	Pareve	Ⓢ Symbol required.
• Ticaloid® Heat N Smooth	OUV3-BA63WXS	Pareve	Ⓢ Symbol required.
• Ticaloid® IB Gum	OUV3-GK96DSO	Pareve	Ⓢ Symbol required.
• Ticaloid® ICE 103	OUV3-EF69A03	Pareve	Ⓢ Symbol required.
• Ticaloid® ICE 65	OUV3-FE7ZSKA	Pareve	Ⓢ Symbol required.
• Ticaloid® ICE 70	OUV3-RYLYQHM	Pareve	Ⓢ Symbol required.
• Ticaloid® Icing Max	OUV3-13A9EC6	Pareve	Ⓢ Symbol required.
• Ticaloid® Icing RTU	OUV3-2FHJGRO	Pareve	Ⓢ Symbol required.
• Ticaloid® KRISPEE Powder	OUV3-GLPSM6B	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticaloid® (continued)			
• Ticaloid® LC SR3	OUV3-R2AMYNX	Pareve	Ⓢ Symbol required.
• Ticaloid® LC-SR1	OUV3-N2D5UG6	Pareve	Ⓢ Symbol required.
• TICALOID® LITE HF	OUV3-MJAIPXO	Pareve	Ⓢ Symbol required.
• Ticaloid® LITE Powder	OUV3-0F73791	Pareve	Ⓢ Symbol required.
• Ticaloid® MIRACLE Powder	OUV3-MDPFA9I	Pareve	Ⓢ Symbol required.
• Ticaloid® MP Powder	OUV3-N754K6D	Pareve	Ⓢ Symbol required.
• Ticaloid® OG 1155	OUV3-8C17CC2	Pareve	Ⓢ Symbol required.
• Ticaloid® OG 2255-V	OUV3-4IQLAP4	Pareve	Ⓢ Symbol required.
• Ticaloid® OG 424-RF	OUV3-D5AASIC	Pareve	Ⓢ Symbol required.
• Ticaloid® OG 762	OUV3-ZIKNU8S	Pareve	Ⓢ Symbol required.
• Ticaloid® OG GF-345	OUV3-V28RN1V	Pareve	Ⓢ Symbol required.
• Ticaloid® OG JB	OUV3-ZGH8UUU	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 12/31/2022

Page 59 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticaloid® (continued)			
• Ticaloid® OG Ultrasmooth CL	OUV3-JORZD2X	Pareve	Ⓢ Symbol required.
• Ticaloid® Pep-555	OUV3-VLTQ5KL	Pareve	Ⓢ Symbol required.
• Ticaloid® PERFECT TOPPING Powder	OUV3-RZLOV5T	Pareve	Ⓢ Symbol required.
• Ticaloid® PRO 148 OG	OUV3-05EBD23	Pareve	Ⓢ Symbol required.
• Ticaloid® PRO 181 AG	OUV3-193E23F	Pareve	Ⓢ Symbol required.
• Ticaloid® PRO 181 AG CN	OUV3-2LELDOS	Pareve	Ⓢ Symbol required.
• Ticaloid® PRO 192 AGD	OUV3-82KSJ5J	Pareve	Ⓢ Symbol required.
• Ticaloid® PRO 192 AGD High Viscosity	OUV3-ZTRQNX9	Pareve	Ⓢ Symbol required.
• Ticaloid® Pro 410	OUV3-SNNB0FH	Pareve	Ⓢ Symbol required.
• Ticaloid® Pro 432	OUV3-XMNSREL	Pareve	Ⓢ Symbol required.
• Ticaloid® PRO 432 CN	OUV3-7BRNAEB	Pareve	Ⓢ Symbol required.
• Ticaloid® Pro 571 SET	OUV3-0YY57SZ	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 12/31/2022

Page 60 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticaloid® (continued)			
• Ticaloid® Pro 571 SET CN	OUV3-OXZQ3OR	Pareve	Ⓢ Symbol required.
• Ticaloid® Pro 910 CN	OUV3-CX8XHWY	Pareve	Ⓢ Symbol required.
• Ticaloid® Pro 932 CN	OUV3-CWUOLBV	Pareve	Ⓢ Symbol required.
• Ticaloid® PRO D159 OG	OUV3-JKQP0K	Pareve	Ⓢ Symbol required.
• Ticaloid® Pro HC 910	OUV3-XFCUAVY	Pareve	Ⓢ Symbol required.
• Ticaloid® Pro HC 932	OUV3-9NXVICZ	Pareve	Ⓢ Symbol required.
• Ticaloid® PRO OG 181	OUV3-8SMXT0B	Pareve	Ⓢ Symbol required.
• Ticaloid® PRO OG D192	OUV3-RRSEBOI	Pareve	Ⓢ Symbol required.
• Ticaloid® S-1300	OUV3-4DO6NDQ	Pareve	Ⓢ Symbol required.
• Ticaloid® SD-1000	OUV3-AC9O4UI	Pareve	Ⓢ Symbol required.
• Ticaloid® SD-2000	OUV3-XLVDAJE	Pareve	Ⓢ Symbol required.
• Ticaloid® SM-1900	OUV3-QCSVWMY	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticaloid® (continued)			
• Ticaloid® SUPERSMOOTH Powder	OUV3-ZINVTTE	Pareve	Ⓢ Symbol required.
• Ticaloid® Syrup OC1	OUV3-UXLLJPX	Pareve	Ⓢ Symbol required.
• Ticaloid® Tortilla	OUV3-ROQCL7H	Pareve	Ⓢ Symbol required.
• Ticaloid® ULTRASMOOTH	OUV3-243C54F	Pareve	Ⓢ Symbol required.
• Ticaloid® ULTRASMOOTH CL	OUV3-E6BB43D	Pareve	Ⓢ Symbol required.
• Ticaloid® ULTRASMOOTH EC	OUV3-A0C0D1A	Pareve	Ⓢ Symbol required.
• Ticaloid® Ultrasmooth NGMO	OUV3-FCACC6F	Pareve	Ⓢ Symbol required.
• Ticaloid® Ultrasmooth NGMO Original	OUV3-2DD7ABF	Pareve	Ⓢ Symbol required.
• Ticaloid® VISCOMIX Powder	OUV3-4EAAC49	Pareve	Ⓢ Symbol required.
• Ticaloid® XC-6515-1 Powder	OUV3-NKAS4NK	Pareve	Ⓢ Symbol required.
• Ticaloid® YG-1000	OUV3-OPJ3AVR	Pareve	Ⓢ Symbol required.
• Ticaloid® YG-1020	OUV3-FH0B5Q1	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticaloid® (continued)			
• Ticaloid® YG-1031	OUV3-RGENGN6	Pareve	Ⓢ Symbol required.
• Ticaloid® YG-1080	OUV3-FVXWHEC	Pareve	Ⓢ Symbol required.
• Ticaloid® YG-1091	OUV3-WFTV1TQ	Pareve	Ⓢ Symbol required.
• Ticaloid® YG-1100	OUV3-0WVJSP5	Pareve	Ⓢ Symbol required.
• Vegetable Blends	OUV3-9D6F982	Pareve	Ⓢ Symbol required.
Brand: Ticalose®			
• CMC 2500 S Ticalose® CMC 2500 Standard Powder	OUV3-HXXJE2U	Pareve	Ⓢ Symbol required.
• Ticalose® 15 F-1430	OUV3-PASZOPF	Pareve	Ⓢ Symbol required.
• Ticalose® 200 F Powder	OUV3-ENVI3UX	Pareve	Ⓢ Symbol required.
• Ticalose® 400 SF Powder	OUV3-UDQFCW4	Pareve	Ⓢ Symbol required.
• Ticalose® 4500 Fine Powder	OUV3-FWDRZRY	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 12/31/2022

Page 63 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticalose® (continued)			
• Ticalose® 4500 Standard Powder	OUV3-ZTM8MPV	Pareve	Ⓢ Symbol required.
• Ticalose® 6000 Coarse Powder	OUV3-TXDLPAM	Pareve	Ⓢ Symbol required.
• Ticalose® 6000 Standard Powder	OUV3-FKNCX08	Pareve	Ⓢ Symbol required.
• Ticalose® 602 Standard Powder	OUV3-RXPUIQ6	Pareve	Ⓢ Symbol required.
• Ticalose® 700 P	OUV3-ID25IPL	Pareve	Ⓢ Symbol required.
• Ticalose® 903 Powder	OUV3-DGJVM4R	Pareve	Ⓢ Symbol required.
• Ticalose® CMC 15 Coarse Powder	OUV3-IQ9E2U8	Pareve	Ⓢ Symbol required.
• Ticalose® CMC 15 Fine NGMO	OUV3-45CB716	Pareve	Ⓢ Symbol required.
• Ticalose® CMC 15 Fine Powder	OUV3-S8XEHAM	Pareve	Ⓢ Symbol required.
• Ticalose® CMC 15000 Powder	OUV3-D62C2B7	Pareve	Ⓢ Symbol required.
• Ticalose® CMC 2500 AS Powder	OUV3-4DGO5HU	Pareve	Ⓢ Symbol required.
• Ticalose® CMC 2500 C Powder	OUV3-VPFTSEQ	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 12/31/2022

Page 64 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticalose® (continued)			
• Ticalose® CMC 2500 Fine Powder	OUV3-60F2CBD	Pareve	Ⓢ Symbol required.
• Ticalose® CMC 2500 Fine Powder 1328	OUV3-FM8YFIV	Pareve	Ⓢ Symbol required.
• Ticalose® CMC 2700 F NGMO	OUV3-4C98F67	Pareve	Ⓢ Symbol required.
• Ticalose® CMC 3200 F	OUV3-CUF0TJZ	Pareve	Ⓢ Symbol required.
• Ticalose® CMC 350 VC	OUV3-K7D1SVG	Pareve	Ⓢ Symbol required.
• Ticalose® CMC 6000 F Powder	OUV3-ECARBMC	Pareve	Ⓢ Symbol required.
• Ticalose® CMC 6000 Fine Powder	OUV3-2847B64	Pareve	Ⓢ Symbol required.
• Ticalose® CMC 6000 Fine Powder	OUV3-F79875F	Pareve	Ⓢ Symbol required.
• Vegetable Blends	OUV3-994F408	Pareve	Ⓢ Symbol required.
Brand: Ticamulsion			
• TICAMULSION® 3020	OUV3-31932E5	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 12/31/2022

Page 65 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredion Incorporated (Gums) (continued)

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: Ticamulsion (continued)			
• TICAMULSION® A-2010 Powder	OUV3-65897BA	Pareve	Ⓢ Symbol required.
• Vegetable Blends	OUV3-20164DE	Pareve	Ⓢ Symbol required.
Brand: Ticapan			
• Vegetable Blends	OUV3-0BDEADB	Pareve	Ⓢ Symbol required.
Brand: TicaPAN®			
• TICAPAN 002-PB	OUV3-D5AQINM	Pareve	Ⓢ Symbol required.
• TicaPAN 311 CN	OUV3-1B2IAVN	Pareve	Ⓢ Symbol required.
• TicaPAN Quick Crunch CN	OUV3-ZUSAH2H	Pareve	Ⓢ Symbol required.
• TicaPAN Quick Crunch CWCN	OUV3-OCZL5BJ	Pareve	Ⓢ Symbol required.
• TicaPAN® 311	OUV3-060BEB2	Pareve	Ⓢ Symbol required.
• TicaPAN® 311 CN	OUV3-NJM1SDA	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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredion Incorporated (Gums) (continued)

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: TicaPAN® (continued)			
• TicaPAN® 311 CW	OUV3-TLREWLN	Pareve	Ⓢ Symbol required.
• TicaPAN® 311 CWCN	OUV3-U9RWXBR	Pareve	Ⓢ Symbol required.
• TicaPAN® 311 NGMO Int	OUV3-VWMQBPG	Pareve	Ⓢ Symbol required.
• TicaPAN® 311-NGMO	OUV3-FDPUHZQ	Pareve	Ⓢ Symbol required.
• TicaPAN® 322 CN	OUV3-YZC5QC6	Pareve	Ⓢ Symbol required.
• TicaPAN® 322 NGMO Int	OUV3-MEMXHPG	Pareve	Ⓢ Symbol required.
• TicaPAN® 501 NGMO	OUV3-T901HV4	Pareve	Ⓢ Symbol required.
• TicaPAN® 520	OUV3-BMGHULD	Pareve	Ⓢ Symbol required.
• TicaPAN® 618 CN	OUV3-6YHQJAJ	Pareve	Ⓢ Symbol required.
• TicaPAN® NC-08 CN	OUV3-FI7RWCR	Pareve	Ⓢ Symbol required.
• TicaPAN® Quick Crunch	OUV3-W9CWGLM	Pareve	Ⓢ Symbol required.
• TicaPAN® Quick Crunch CW	OUV3-EG2PVLM	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 12/31/2022

Page 67 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: TicaPAN® (continued)			
• TicaPAN® Quick Crunch NGMO Int	OUV3-CTMSHNF	Pareve	Ⓢ Symbol required.
• TicaPAN® Quick Crunch Non-GMO	OUV3-SKPFPA6	Pareve	Ⓢ Symbol required.
Brand: Ticaxan®			
• Ticaxan® CM-Xanthan Powder	OUV3-VQ5KTG0	Pareve	Ⓢ Symbol required.
• Ticaxan® Xanthan 200 EC	OUV3-THIC0HE	Pareve	Ⓢ Symbol required.
• Ticaxan® Xanthan 200 EC B50	OUV3-LFHLDHG	Pareve	Ⓢ Symbol required.
• Ticaxan® Xanthan 200 EC NGMO	OUV3-AFHDHBH	Pareve	Ⓢ Symbol required.
• Ticaxan® Xanthan 200 EC NGMOPV	OUV3-IYBHQZF	Pareve	Ⓢ Symbol required.
• Ticaxan® Xanthan 200 Powder	OUV3-XSY8TOY	Pareve	Ⓢ Symbol required.
• Ticaxan® Xanthan 200-NGMO	OUV3-8K0IUQR	Pareve	Ⓢ Symbol required.
• Ticaxan® Xanthan 531	OUV3-OUPMGJC	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 12/31/2022

Page 68 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Ticaxan® (continued)			
• Ticaxan® Xanthan Clear Powder	OUV3-80PRWGO	Pareve	Ⓢ Symbol required.
• Ticaxan® Xanthan EC	OUV3-NEIIR5M	Pareve	Ⓢ Symbol required.
• Ticaxan® Xanthan EC NGMO	OUV3-E3AC62B	Pareve	Ⓢ Symbol required.
• Ticaxan® Xanthan NGMO	OUV3-IBCPUSC	Pareve	Ⓢ Symbol required.
• Ticaxan® Xanthan Powder	OUV3-WPDWUPH	Pareve	Ⓢ Symbol required.
• Ticaxan® Xanthan Salt Tolerant Powder	OUV3-RBL9EJG	Pareve	Ⓢ Symbol required.
• Ticaxan® Xanthan Smooth Powder	OUV3-0278949	Pareve	Ⓢ Symbol required.
• Ticaxan® Xanthan VI	OUV3-FPWOJVB	Pareve	Ⓢ Symbol required.
• Xanthan	OUV3-418C29C	Pareve	Ⓢ Symbol required.
Brand: TICorganic®			
• TICorganic ®Agaroid®300	OUV3-1E1ED71	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 12/31/2022

Page 69 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: TICorganic® (continued)			
• TICorganic® Agar 150-C	OUV3-A4D6135	Pareve	Ⓢ Symbol required.
• TICorganic® Agar 600-B	OUV3-CB4BDFE	Pareve	Ⓢ Symbol required.
• TICorganic® Agaroid® 315	OUV3-12A25E4	Pareve	Ⓢ Symbol required.
• TICorganic® Agaroid® 315 Organic Agar	OUV3-F35C575	Pareve	Ⓢ Symbol required.
• TICorganic® Arabic Spray Dry Powder	OUV3-EG5G96M	Pareve	Ⓢ Symbol required.
• TICorganic® Aragum® SDF	OUV3-5FDRNHJ	Pareve	Ⓢ Symbol required.
• TICorganic® Caragum® 200	OUV3-KYEVXOK	Pareve	Ⓢ Symbol required.
• TICorganic® Dairyblend COT D	OUV3-HK6OYFC	Pareve	Ⓢ Symbol required.
• TICorganic® Dairyblend IC	OUV3-UY0T7M4	Pareve	Ⓢ Symbol required.
• TICorganic® Dairyblend IC 2	OUV3-OGVPYZK	Pareve	Ⓢ Symbol required.
• TICorganic® Dairyblend Natural IC CL	OUV3-UC3OCVA	Pareve	Ⓢ Symbol required.
• TICorganic® Dairyblend YG Smooth	OUV3-SJTNIJE	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 12/31/2022

Page 70 of 72



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: TICorganic® (continued)			
• 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	Ⓢ Symbol required.
• TICorganic® Inulin Agave	Ouv3-82XQYJR	Pareve	Ⓢ Symbol required.
• TICorganic® Locust Bean Gum Powder	Ouv3-JKCEDAA	Pareve	Ⓢ Symbol required.
• TICorganic® OG SALA 100 Saladizer® 100	Ouv3-WJFBL52	Pareve	Ⓢ Symbol required.
• TICorganic® OG SALA 320 Saladizer® 320	Ouv3-A9B22C6	Pareve	Ⓢ Symbol required.
• TICorganic® OG STAB ICE-200 Stabilizer ICE-200	Ouv3-869AE1C	Pareve	Ⓢ Symbol required.
• TICorganic® Ultrasmooth CL	Ouv3-G0QGABC	Pareve	Ⓢ Symbol required.
• TICorganic® YG Cup Set	Ouv3-75185D6	Pareve	Ⓢ Symbol required.

Brand: Valentine Blend

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 12/31/2022



ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

בס"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

December 28, 2021

Ingredient Incorporated (Gums) (continued)

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: Valentine Blend (continued)			
• Custom Blend	OUV3-E13FDDF	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 12/31/2022

Page 72 of 72