



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

January 24, 2020

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

INGREDION (THAILAND) CO., LTD., Bangna Tower C, 11th Floor, 40/14 Moo 12, Bangna-Trad Road, Bangkaew, Bangplee, Samutprakarn, 10540 THAI

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

Ingredion (Thailand) Co., Ltd. - Kalasin (KSN), 41 Moo 7, Teeranont Road, Najarn, Muang, Kalasin , THAILAND

Product Name	UKD-ID	Status	Certification Requirements
Brand: National Starch Food Innovation			
• Base National 8991 <i>Approved when produced in Thailand.</i>	OUV2-GC6ISQS	Pareve	Symbol not required.
• BATTERBIND (R) S <i>Approved when produced in Thailand.</i>	OUV2-43F994E	Pareve	Symbol not required.
• BIND T <i>Approved when produced in Thailand.</i>	OUV2-BC4E337	Pareve	Symbol not required.
• BTS <i>Approved when produced in Thailand.</i>	OUV2-B11686E	Pareve	Symbol not 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*

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INGREDION (THAILAND) CO., LTD. (continued)

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Product Name	UKD-ID	Status	Certification Requirements
Brand: National Starch Food Innovation (continued)			
• CAPSUL TA <i>Approved when produced in Thailand.</i>	OUV2-8DF3612	Pareve	Symbol not required.
• CORNBOY 281 CORNBOY 281 <i>Approved when produced in Thailand.</i>	OUV2-DGWLVOU	Pareve	Symbol not required.
• CORNBOY 306 <i>Approved when produced in Thailand.</i>	OUV2-Y05LSFT	Pareve	Symbol not required.
• CORNBOY 449 CORNBOY 449 <i>Approved when produced in Thailand.</i>	OUV2-KTEJFEJ	Pareve	Symbol not required.
• CRYSTAL SET 100 <i>Approved when produced in Thailand.</i>	OUV2-FF1E74A	Pareve	Symbol not required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: National Starch Food Innovation (continued)			
• CRYSTAL SET 300 <i>Product of Thailand</i>	OUV2-10A2197	Pareve	Symbol not required.
• CRYSTAL TEX 626 <i>Approved when produced in Thailand.</i>	OUV2-48945AC	Pareve	Symbol not required.
• CRYSTAL TEX 627 <i>Approved when produced in Thailand.</i>	OUV2-4E55B3F	Pareve	Symbol not required.
• CRYSTAL TEX 627M <i>Approved when produced in Thailand.</i>	OUV2-72CFE79	Pareve	Symbol not required.
• CRYSTAL TEX 648 <i>Approved when produced in Thailand.</i>	OUV2-D9831D2	Pareve	Symbol not required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: National Starch Food Innovation (continued)			
• CRYSTAL TEX LTF <i>Approved when produced in Thailand.</i>	OUV2-D82FBA0	Pareve	Symbol not required.
• CRYSTAL TEX SMR <i>Approved when produced in Thailand.</i>	OUV2-ATYJCDV	Pareve	Symbol not required.
• CTR N3600 Intermediate <i>Approved when produced in Thailand.</i>	OUV2-EF3F7FC	Pareve	Symbol not required.
• ELASTIGEL 3000M <i>Approved when produced in Thailand.</i>	OUV2-A16EF56	Pareve	Symbol not required.
• ELASTITEX 1 <i>Approved when produced in Thailand.</i>	OUV2-3533E63	Pareve	Symbol not required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: National Starch Food Innovation (continued)			
• ELASTITEX 2 <i>Approved when produced in Thailand.</i>	OUV2-6D0B35F	Pareve	Symbol not required.
• FOOD STARCH 1184 FOOD STARCH 1184 <i>Approved when produced in Thailand.</i>	OUV2-LPH0TMA	Pareve	Symbol not required.
• FOOD STARCH KAZU FOOD STARCH KAZU <i>Approved when produced in Thailand.</i>	OUV2-UCAAYS1	Pareve	Symbol not required.
• HOMECRAFT CREATE 315	OUV2-SACIBFM	Pareve	Symbol not required.
• HOMECRAFT CREATE 335 <i>Approved when produced in Thailand.</i>	OUV2-6INH5TW	Pareve	Symbol not required.

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Brand: National Starch Food Innovation (continued)			
• HOMECRAFT CREATE 365 <i>Approved when produced in Thailand.</i>	OUV2-GC1F36A	Pareve	Symbol not required.
• HOMECRAFT Create 390 <i>Approved when produced in Thailand</i>	OUV2-E41B096	Pareve	Symbol not required.
• HOMECRAFT CREATE 835 - Intermediate <i>Approved when produced in Thailand.</i>	OUV2-7VL21SM	Pareve	Symbol not required.
• HOMECRAFT CREATE 865 - Intermediate <i>Approved when produced in Thailand.</i>	OUV2-H4ZDJFV	Pareve	Symbol not required.
• HOMECRAFT® Create 330 <i>Approved when produced in Thailand.</i>	OUV2-C9E01CE	Pareve	Symbol not required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: National Starch Food Innovation (continued)			
• HOMECRAFT® Create 360 <i>Approved when produced in Thailand.</i>	OUV2-0CBFAE1	Pareve	Symbol not required.
• KS 2 <i>Approved when produced in Thailand.</i>	OUV2-CPS0BVQ	Pareve	Symbol not required.
• KS-1 <i>Approved when produced in Thailand.</i>	OUV2-FD8AFE1	Pareve	Symbol not required.
• MA 0011 <i>Approved when produced in Thailand.</i>	OUV2-EDCBC85	Pareve	Symbol not required.
• MAT 1 <i>Approved when produced in Thailand.</i>	OUV2-29B47CB	Pareve	Symbol not required.

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Brand: National Starch Food Innovation (continued)			
• MAT 2 <i>Approved when produced in Thailand.</i>	OUV2-FF5D47F	Pareve	Symbol not required.
• MAT 4 <i>Approved when produced in Thailand.</i>	OUV2-53C7760	Pareve	Symbol not required.
• MATSUTANI FUKU <i>Approved when produced in Thailand.</i>	OUV2-1O9OTIU	Pareve	Symbol not required.
• MATSUTANI KINMOKUSEI-02 <i>Certified when produced in Thailand</i>	OUV2-A53FAD5	Pareve	Symbol not required.
• MATSUTANI SAKURA <i>Approved when produced in Thailand.</i>	OUV2-6Q5JRC4	Pareve	Symbol not required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: National Starch Food Innovation (continued)			
<ul style="list-style-type: none"> MATSUTANI Satsuki 2 <i>Approved when produced in Thailand.</i> 	OUV2-DA8A3D4	Pareve	Symbol not required.
<ul style="list-style-type: none"> Metroclean pH Adjusted Base <i>Approved when produced in Thailand.</i> 	OUV2-MB7LJNF	Pareve	Symbol not required.
<ul style="list-style-type: none"> MetroClean pH adjusted FLOUR base <i>Approved when produced in Thailand.</i> 	OUV2-U5JK6B9	Pareve	Symbol not required.
<ul style="list-style-type: none"> MSS-7 <i>Certified when produced in Thailand</i> 	OUV2-7B7633A	Pareve	Symbol not required.
<ul style="list-style-type: none"> NASS 1 <i>Approved when produced in Thailand.</i> 	OUV2-EB5AF8C	Pareve	Symbol not required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: National Starch Food Innovation (continued)			
• NATIONAL 522018 <i>Approved when produced in Thailand</i>	OUV2-53FC23D	Pareve	Symbol not required.
• NATIONAL 522027 <i>Approved when produced in Thailand</i>	OUV2-D1FDC9C	Pareve	Symbol not required.
• National 522035 <i>Approved when produced in Thailand.</i>	OUV2-65F8FD6	Pareve	Symbol not required.
• NATIONAL 522185 <i>Approved when produced in Thailand.</i>	OUV2-3F676C3	Pareve	Symbol not required.
• NATIONAL 522186 <i>Approved when produced in Thailand.</i>	OUV2-8729AB4	Pareve	Symbol not required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: National Starch Food Innovation (continued)			
• National 522188 <i>Approved when produced in Thailand.</i>	OUV2-96B8578	Pareve	Symbol not required.
• NATIONAL 78-0226 <i>Approved when produced in Thailand.</i>	OUV2-8CCF649	Pareve	Symbol not required.
• NATIONAL 78-0532 <i>Approved when produced in Thailand.</i>	OUV2-F04B12F	Pareve	Symbol not required.
• NATIONAL 78-0576 <i>Approved when produced in Thailand.</i>	OUV2-B87A45F	Pareve	Symbol not required.
• NATIONAL 78-0622 <i>Approved when produced in Thailand.</i>	OUV2-4423763	Pareve	Symbol not required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: National Starch Food Innovation (continued)			
• NATIONAL 78-0701 <i>Approved when produced in Thailand.</i>	OUV2-4DA38FA	Pareve	Symbol not required.
• NATIONAL 78-0720 <i>Approved when produced in Thailand.</i>	OUV2-570C9A9	Pareve	Symbol not required.
• NATIONAL BR <i>Approved when produced in Thailand.</i>	OUV2-33D3F98	Pareve	Symbol not required.
• NATIONAL G830 <i>Approved when produced in Thailand.</i>	OUV2-7154012	Pareve	Symbol not required.
• NATIONAL G860 <i>Approved when produced in Thailand.</i>	OUV2-34B0F9A	Pareve	Symbol not required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: National Starch Food Innovation (continued)			
• N-HANCE 80 <i>Product of Thailand</i>	OUV2-0963B18	Pareve	Symbol not required.
• N-HANCE 88 <i>Product of Thailand.</i>	OUV2-388DA28	Pareve	Symbol not required.
• NOVATION ENDURA 3100 <i>Approved when produced in Thailand.</i>	OUV2-SBRQVFS	Pareve	Symbol not required.
• Novation Prima 303 <i>Approved when produced in Thailand.</i>	OUV2-1CJNQJK	Pareve	Symbol not required.
• NOVATION PRIMA 603 <i>Approved when produced in Thailand.</i>	OUV2-PWWOL0Y	Pareve	Symbol not required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: National Starch Food Innovation (continued)			
• Novation Uno 330 <i>Approved when produced in Thailand.</i>	OUV2-UZSIEEC	Pareve	Symbol not required.
• NOVATION® 3300 <i>Approved when produced in Thailand</i>	OUV2-A22CF23	Pareve	Symbol not required.
• NOVATION® 3300 CTR Intermediate <i>Approved when produced in Thailand.</i>	OUV2-8932870	Pareve	Symbol not required.
• NOVATION® 3600 <i>Approved when produced in Thailand.</i>	OUV2-C2B96B7	Pareve	Symbol not required.
• Purity 830 <i>Approved when produced in Thailand</i>	OUV2-5F6D4F2	Pareve	Symbol not required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: National Starch Food Innovation (continued)			
• PURITY® 1 <i>Approved when produced in Thailand.</i>	OUV2-E5BD0E8	Pareve	Symbol not required.
• PURITY® 21T <i>Approved when produced in Thailand.</i>	OUV2-C051B64	Pareve	Symbol not required.
• PURITY® 69 <i>Approved when produced in Thailand.</i>	OUV2-C02CA23	Pareve	Symbol not required.
• PURITY® D <i>Approved when produced in Thailand.</i>	OUV2-DA3F82C	Pareve	Symbol not required.
• PURITY® SUV <i>Approved when produced in Thailand.</i>	OUV2-005BCDE	Pareve	Symbol not required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: National Starch Food Innovation (continued)			
<ul style="list-style-type: none"> SUPER PURITY 1 <i>Approved when produced in Thailand.</i> 	OUV2-8A4463F	Pareve	Symbol not required.
<ul style="list-style-type: none"> Tapioca Flour <i>Approved when produced in Thailand</i> 	OUV2-CBF23B9	Pareve	Symbol not required.
<ul style="list-style-type: none"> Tapioca Milk Starch <i>Approved when produced in Thailand</i> 	OUV2-0EE39C1	Pareve	Symbol not required.
<ul style="list-style-type: none"> Texflo 2870 <i>Approved when produced in Thailand</i> 	OUV2-3E4B75B	Pareve	Symbol not required.
<ul style="list-style-type: none"> TEXFLO 339 <i>Approved when produced in Thailand.</i> 	OUV2-92B6D52	Pareve	Symbol not required.

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Product Name	UKD-ID	Status	Certification Requirements
Brand: National Starch Food Innovation (continued)			
• TEXFLO 3970 <i>Approved when produced in Thailand.</i>	OUV2-6BNUX7G	Pareve	Symbol not required.
• THICK_FLO <i>Kosher for Passover with batch certificate and special production only.</i>	Ouw3-3LWWW3T	Pareve/Passover	Ⓢ-P Symbol required.
• THICK-FLO <i>Approved when produced in Thailand.</i>	OUV2-047E68F	Pareve	Symbol not required.
• UNI-PURE 3362 <i>Approved when produced in Thailand.</i>	OUV2-XDJ9SBF	Pareve	Symbol not required.
• Waxy Tapioca Starch <i>Approved when produced in Thailand.</i>	OUV2-6YOGLPQ	Pareve	Symbol not 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 12/31/2020



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

January 24, 2020

INGREDION (THAILAND) CO., LTD. (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: National Starch Food Innovation (continued)			
• WMS <i>Approved when produced in Tailand.</i>	OUV2-6C96587	Pareve	Symbol not 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 12/31/2020