



16 MAY 2020

TO WHOM IT MAY CONCERN

CERTIFICATE OF ANALYSIS

PRODUCT : MYRISTIC ACID (KORTACID 1499)
MANUFACTURING DATE : 03 MARCH 2020 / 14 MARCH 2020 / 07 APRIL 2020 / 13 APRIL 2020 / 04 MAY 2020
RE-TEST DATE : 02 MARCH 2022 / 13 MARCH 2022 / 06 APRIL 2022 / 12 APRIL 2022 / 03 MAY 2022
MARKING : BATCH NO.: 249F1200303A / 249F1200314A / 249F1200407A /
 249F1200413A / 249F1200504A

	<u>METHOD</u>	<u>BATCH NO : SPECIFICATION</u>	<u>249F1200303A</u>	<u>249F1200314A</u>	<u>249F1200407A</u>
<u>ANALYSIS RESULT</u>					
IODINE VALUE gI2/100g	AOCS Tg 1a-64	0.5MAX	0.1	0.1	0.1
ACID VALUE mg KOH/g	AOCS Te 1a-64	245 - 247	245.9	245.8	245.9
SAPONIFICATION VALUE mg KOH/g	AOCS Tl 1a-64	246 - 248	246.9	246.8	246.9
TITER degree C	AOCS Tr 1a-64	53 - 55	53.8	53.8	53.8
COLOUR (5 1/4" LOV. CELL) R	AOCS Cc 13e-92	0.2MAX	0.1	0.1	0.1
COLOUR (5 1/4" LOV. CELL) Y	AOCS Cc 13e-92	2MAX	0.5	0.5	0.5
<u>FATTY ACID COMPOSITION(%)</u>					
C12	AOCS Ce 1e-91	1MAX	0.2	0.2	0.2
C14	AOCS Ce 1e-91	99MIN	99.7	99.6	99.7
C16	AOCS Ce 1e-91	1MAX	ND	ND	<0.1
OTHERS	AOCS Ce 1e-91	0.5MAX	0.1	0.1	<0.1

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COLOUR (5 1/4" LOV. CELL) Y	AOCS Cc 13e-92	2MAX	0.5	0.5
<u>FATTY ACID COMPOSITION(%)</u>				
C12	AOCS Ce 1e-91	1MAX	0.2	0.3
C14	AOCS Ce 1e-91	99MIN	99.7	99.7
C16	AOCS Ce 1e-91	1MAX	0.1	ND
OTHERS	AOCS Ce 1e-91	0.5MAX	<0.1	ND

ND=NOT DETECTED

MANUFACTURER- PACIFIC OLEOCHEMICALS SDN BHD

TAN CHEE KEONG - CHEMIST

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The following steps to be taken to ensure the product quality is not being affected when discharge and storage

- Use clean and stainless steel discharge line to discharge the material.
- If the material is solid/semi solid, to melt the product, heating should not exceed the maximum rate of 1-2°C/hours Or low pressure steam 1-2bar max to prevent localised over-heating.
The final temperature should not exceed 5-10°C higher than solidification point of the product.
- Packed product must store in proper ventilated enclosed warehouse to avoid direct exposure to wheather.
Fatty Acid (C6/C8/C10) colour spec report at the time of shipment. Color will increased over the time.