



Dubois-Natural Esters Sdn Bhd (337789-K)

GST No: 00035804400



Page 1 of 1

LAB REF NO: EMD17-0114

CERTIFICATE OF ANALYSIS

DATE: 30/07/2017

LAB REQUEST ID 510000084884
 VESSEL PAC CEKAP V.0034S/ANTHEA Y V.011W
 B/L NO & DATE COSU6810558730 & 30/07/2017
 PRODUCT ISOPROPYL MYRISTATE (IPM)
 QUANTITY, MTS 14.40 MTS OR 80 DRUMS
 CONTAINER & SEAL NO CBHU 5878710/5421062
 MANUFACTURING DATE 22.07.2017
 BEST BEFORE 21.07.2019
 LOT NO M170722-1N

Parameter Name	Unit	Result	Specification	Test Method
Acid Value	mg KOH/g	0.02	0.5 MAX	AOCS Te 2a-64:2009
Colour Apha	APHA	5	30 MAX	AOCS Td 1b-64:2009
Density at 20°C	g/cm ³	0.854	0.852 - 0.855	AOCS Tb 1b-64:2009
Iodine value	%I2	0.1	1.0 MAX	AOCS Tg 1a-64:2009
Peroxide Value	meq/kg	0.2	0.6 MAX	AOCS Cd 8-53:2009
Refractive Index at 20°C	-	1.435	1.434 - 1.437	AOCS Tp 1a-64:2009
Saponification Value	mg KOH/g	208	206 - 211	AOCS TI 1a-64:2009
Sulphated Ash	%	0.02	0.1 MAX	AOCS Tm 1a-64:2011
Viscosity at 20°C	mPas	5.5	5 - 6	APAG-FA-004:1987
Water Content	%	0.05	0.1 MAX	AOCS Tb2-64:1997
C14	%	99.8	98 MIN	AOCS Ce 1e-91:1997

NOTE: "BEST BEFORE" applies for goods with proper storage condition e.g.:

- i) Stored in cool (approx. 30°C) & dry place
- ii) In its original unopened packing



MANUFACTURER - DUBOIS-NATURAL ESTERS SDN BHD

CLEARED BY: NORAZURA - SR CHEMIST

DATE: 27.07.2017

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