

A quality management system registered to the international standard  
ISO 9001 was used to manufacture and test this material.

Certificate prepared at

Croda Singapore Pte Ltd  
30 Seraya Avenue  
Singapore 627884

Customer details

Customer Ref.  
Inspection Lot  
C of A Printed.  
Croda Order No.  
Croda Del. No.  
Quantity.

Fax No.

Batch Details

Product Name: CRODAMOL CP-PA-(SG)  
Product Code: PE82990/0025/8B07  
Batch No: 36598

Date of test:  
Date of manufacture:  
Retest date:

Specification: REV.00 18.10.2012

Quality Control Results

Analytical Test		Specification Limit		Value	Unit	Status
Method No.	Characteristic	Lower	Upper			
	Addendum 30	PASS OR FAIL		Fail	-	F
	Important: value outside the specifications					
AS039010	APPEARANCE @ 25°C (COLOUR)	OFF WHITE		Pass	-	P
AS039010	APPEARANCE @ 25°C (STATE)	SOLID		Pass	-	P
EU700020	ACID VALUE (USP/NF 401)	0	1	0	mg KOH/g	P
ES700530	HYDROXYL VALUE (USP/NF 401)	0	6	5	mg KOH/g	P
ES700570	IODINE VALUE (USP/NF 401)	0	1	0	gI2/100g	P
ES700410	SAPONIFICATION VALUE (USP/NF 401)	110	130	115	mg KOH/g	P
FS710320	MELTING RANGE (USP/NF 741[II])	46	53	54	°C	F
	Important: value outside the specifications					
FS710330	LOSS ON DRYING (USP/NF 731)	0	3	1	%	P
FS700400	RESIDUE ON IGNITION (USP/NF281)	0.05 % MAX		Pass	-	P
LS700540	HEAVY METAL (USP/NF 231[III])	20 PPM MAX		Pass	-	P

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LS710330	FAD - C16:0 (USP/NF 401)	90.0	100.0	98.7 %	P
AS700240	MATERIAL CONFORMS TO CURRENT USP/NF	CETYL PALMITATE	Pass	-	P

**Batch Status:** Fail  
The quality tests on this batch are reported above. The tests carried out are those necessary to demonstrate compliance with our product specification and are not intended to guarantee the product as suitable for any application beyond those contained in the specification. We recommend you perform your own quality and or identification checks on receipt

The name printed at the end of this document is an electronic signature.

Confirmed by

and Huey Yan Tan