



**CERTIFICATE OF ANALYSIS**

DESCRIPTION : ECOROL 16/98P (CETYL ALCOHOL PASTILLES )

Date : 18.03.2020

MANUFACTURER : PT ECOGREEN OLEOCHEMICALS

SPEC. NO. : 3189-12

REFERENCE

CUST. PO NO.

CONTAINER NO.  
FBLU 0179054

BATCH NO.  
B189-P

QUANTITY  
2,400 BAG

MANUFACTURING DATE  
07.07.2020

EXPIRY DATE  
07.07.2023

Analysis	Test Method	Specification		B130-P	B041-P	B044-P
		Min	Max			
Homolog Distribution (wt%) :	Gas Chromatography					
C14 & lower			2.0	0.1	0.0	0.0
C16		98.0		99.5	99.6	99.6
C18 & higher			2.0	0.4	0.4	0.4
Hydrocarbons (wt%)	Gas Chromatography		0.50	0.19	0.19	0.18
Acid Value (mg KOH/g)	AOCS Te 2a-64; DIN 53 402		0.10	0.01	0.01	0.01
Saponification Value (mg KOH/g)	AOCS T1 1a-64; DIN 53 401		0.50	0.10	0.10	0.10
Iodine Value (g I2/100 g)	AOCS Cd 1b-87		0.10	0.01	0.01	0.01
Moisture (wt%)	Karl Fisher Method; DIN 51 777/T1		0.30	0.08	0.10	0.10
Color, APHA	AOCS Ea 9-65; DIN ISO 6271		10	3	3	3
Solidification point (°C)	AOCS Cc 12-59; DIN ISO 3841	48.0	50.0	49.0	49.0	49.0
Hydroxyl Value (mg KOH/g)	Calculated from GC analysis result	228	232	231	231	231

OUR PRODUCT MEETS USP 34/EP7/AF

Certified Correct :

**PT Ecogreen Oleochemicals**

Adrian

Head of Quality Assurance