

## PT ECOGREEN OLEOCHEMICALS



## CERTIFICATE OF ANALYSIS

SHIPMENT/LOT NO. : 2-0598-22

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

Date : 05 Apr 2022

MANUFACTURER : PT ECOGREEN OLEOCHEMICALS

SPEC. NO. : 3160-12

REFERENCE : 1010718015 / 2010718015

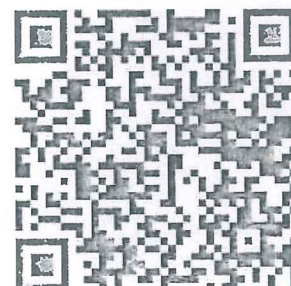
CUST. PO NO. : 3100027424

CONTAINER NO.  
HLBU 1672998BATCH NO.  
P4-060-APACKAGING  
1,200 BAGMANUFACTURING DATE  
16 Feb 2022EXPIRY DATE  
16 Feb 2024

| Analysis                        | Test Method      | Specification |      | P4-060-A |
|---------------------------------|------------------|---------------|------|----------|
|                                 |                  | Min           | Max  |          |
| Homolog Distribution (wt%) :    | EOB-TM-QA-613    |               |      |          |
| C14 & lower                     |                  |               | 2.0  | 0.1      |
| C16                             |                  | 98.0          |      | 99.3     |
| C18 & higher                    |                  |               | 2.0  | 0.6      |
| Hydrocarbons (wt%)              | EOB-TM-QA-613    |               | 0.50 | 0.15     |
| Acid Value (mg KOH/g)           | AOCS Te 2a-64    |               | 0.10 | 0.01     |
| Saponification Value (mg KOH/g) | AOCS Tl 1a-64    |               | 0.50 | 0.15     |
| Iodine Value (g I2/100 g)       | EOB-TM-QA-607    |               | 0.10 | 0.01     |
| Moisture (wt%)                  | DIN ISO 51 777-1 |               | 0.30 | 0.12     |
| Color, APHA                     | AOCS Ea 9-65     |               | 10   | 3        |
| Solidification point (°C)       | AOCS Cc 12-59    | 48.0          | 50.0 | 49.0     |
| Hydroxyl Value (mg KOH/g)       | EOB-TM-QA-613    | 228           | 232  | 231      |

"OUR PRODUCT MEETS USP34/EP7/NF"

BRUGUÉS

CONFORME  
PAVO EXAMEN

Certified Correct :

PT Ecogreen Oleochemicals

Adrian

QA Manager

CONTROLLED SYSTEM PRINTOUT - VALID WITHOUT SIGNATURE