



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** RITACAM DOE 120  
**LOT NUMBER:**  
**INCI DESIGNATION:** PEG-120 Methyl Glucose Dioleate

**PRODUCT CODE:** 20003-025  
**MANUFACTURING SITE:** CHINA  
**MANUFACTURING DATE:** 07/04/2018  
**EXPIRATION DATE:** 07/04/2019  
**CUSTOMER P.O. NUMBER:**  
**CUSTOMER CODE:** 107049

| Product Test                                | Method | Specification                 | Laboratory Values | Final Result |
|---|--------|-------------------------------|-------------------|--------------|
| Appearance (@25C)                           | Visual | Yellowish or White Waxy Solid | PASS              | PASS         |
| Saponification Value (mg KOH/1g sample)     | 020.03 | 14-26                         | 20.5              | PASS         |
| Iodine Value (Hanus) (g iodine/100g sample) | 010.00 | 5-15                          | 9.1               | PASS         |
| Hydroxyl Value (mg KOH/1g sample)           | 009.01 | 14-26                         | 15.4              | PASS         |

**Signed By:** Ramil Borja

**Date:** 08/27/2018

ALL PRODUCT CHARACTERISTIC TEST METHODS CONFORM TO USP/NF UNLESS NOTED WITH ASTERISK (\*).