

Certificate of Analysis

Date of Testing: 2023-05-09 14:37:57

Date of Next Testing: 2027-05-08 14:37:57

Product Name: **Castor oil**

CAS Number: 8001-79-4

Specifications & Purity: USP grade

Lot #: E2306080

SKU #: **C110662**

Analysis: **214518**

Storage Temperature: Room temperature

| Parameter | Limit Values | Result |
|---|---------------------------------|---------------------------------|
| Hydroxy Value | 160-168 (mgKOH/g) | 163.00 mgKOH/g |
| Heavy metal (as Pb) | 0-0.001 (%) | 0.00 % |
| Acid Value | 0-2 (mg/g) | 0.33 mg/g |
| Ricinoleic acid | 50-100 (%) | 86.50 % |
| Alkalify price | 176-186 (mgKOH/g) | 179.40 mgKOH/g |
| Iodine value | 83-88 | 85.00 |
| Density (25°C) | 0.957-0.961 | 0.96 |
| Color (R1 Y10 (Refers to friends of colorimetric method) 5) | pass | Pass |
| disSolubility | Soluble in ethanol, ethyl ether | Soluble in ethanol, ethyl ether |



John Su
QA & QC Manager