

## Certificate of Analysis

Date of Testing: 2023-05-09 14:41:04  
Date of Next Testing: 2027-05-08 14:41:04  
Product Name: **Castor oil**  
CAS Number: 8001-79-4  
Specifications & Purity: USP grade  
Lot #: E2306079  
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