

## Certificate of Analysis

Date of Testing: 2023-10-18 16:27:18  
Date of Next Testing: 2027-10-17 16:27:18  
Product Name: **Castor oil**  
CAS Number: 8001-79-4  
Specifications & Purity: USP grade  
Lot #: J2311337  
SKU #: **C110662**  
**Analysis:** **279135**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Hydroxy Value	160-168 (mgKOH/g)	161.10 mgKOH/g
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Acid Value	0-2 (mg/g)	0.71 mg/g
Ricinoleic acid	50-100 (%)	86.60 %
Iodine value	83-88	85.20
Density (25°C)	0.957-0.961	0.96
Alkalify price	176-186 (mgKOH/g)	180.60 mgKOH/g
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