

## Certificate of Analysis

Date of Testing: 2022-12-12 14:09:52  
Date of Next Testing: 2026-12-11 14:09:52  
Product Name: **Ethoxylated hydrogenated castor oil**  
CAS Number: 61788-85-0  
Specifications & Purity:  
Lot #: I2308174  
SKU #: **E196260**  
Analysis: **166417**

Parameter	Limit Values	Result
Saponification value	41-51 (mgKOH/g)	45.32 mgKOH/g
PH	4.1-6	5.30
Water by Karl Fischer	0-2 (%)	0.06 %
Hydroxy Value	39-49 (mgKOH/g)	45.80 mgKOH/g
Appearance (E196260)	White to Light Yellow vaseline -like Wax	White to Light Yellow vaseline -like Wax



John Su  
QA & QC Manager