

Certificate of Analysis

Date of Testing: 2023-12-08 17:14:56
Date of Next Testing: 2027-12-07 17:14:56
Product Name: **Tween 80**
CAS Number: 9005-65-6
Specifications & Purity: pharmaceutical
Lot #: L2304324
SKU #: **T104866**
Analysis: **297411**
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Water by Karl Fischer	0-3 (%)	2.68 %
Acid Value	0-2.2 (mg/g)	0.60 mg/g
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
viscosity	350-550 (mm ² /s)	432.40 mm ² /s
Hydroxyl value	65-80 (mgKOH/g)	71.50 mgKOH/g
Saponification value	45-55 (mgKOH/g)	45.60 mgKOH/g
Iodine value (I ₂ /100g)	18-24	21.00
PH	5-8	6.20
Density (20°C)	1.06-1.09 (g/ml)	1.08 g/ml
Ignition Residue (as sulfate)	0-0.2 (%)	0.00 %
Color	pass	Pass
Freezing test	pass	Pass
Identification	pass	Pass



John Su
QA & QC Manager