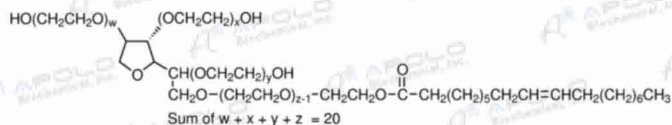


CERTIFICATE OF ANALYSIS

Product Name: Tween 80

Chemical Structure:



Lot Number: SHPE5043391

CAT Number: APL-WCLT

Manufacture Date: 2022.05.20

Expiry Date: 2024.05.20

Molecular Formula: Not Applicable

Molecular Weight: Not Applicable

Storage: RT

Analysis Data

Item	Specification	Results
DNase	NONE / Fail	NONE
RNase	NONE / Fail	NONE
Protease	NONE / Fail	NONE
Heavy Metals	< 0.001 %	0.000021 %
Hydroxyl Number	65 - 80 mgKOH/g	70 mgKOH/g
Identification	PASS / Fail	PASS
Moisture (KF)	≤ 3.0 %	2.6 %
Residue on Ignition	≤ 0.25 %	0.09 %
Specific Gravity	1.06 - 1.09	1.07
Viscosity	300 - 500 cS	422 cS

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

Jennifer LaBrecque

Jennifer LaBrecque 06/2022
Quality Assurance Manager

Conclusion: The above product meets the specifications of APOLO