



CERTIFICATE OF ANALYSIS

Product : **TWEEN 80**
(POLYSORBATE 80)
Product number : P1365
Batch number : 019159
Date of analysis : 10-10-2024
Date of expiry : 31-10-2027
Packaging and storage : store at room temperature

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	oily, colourless or brownish-yellow, clear or slightly opalescent liquid	complies		
Identification:				
-D (composition of fatty acids)	conform	complies		
Acid value	≤ 2.0	1.3	mg KOH	
Hydroxyl value	65 – 80	73	mg KOH	
Peroxide value	≤ 5	0		
Saponification value	45 – 55	49	mg KOH	
Water content	2.5 – 3.0	2.7	%	
Total ash	≤ 0.25	0.05	%	
Ethyleneoxide content	≤ 1	complies	ppm	GC
Dioxane content	≤ 1	complies	ppm	GC
Composition of fatty acids	conform	complies		
- Oleic acid	58.0 – 85.0	79.1	%	
- Linoleic acid	≤ 18.0	0.0	%	
- Linolenic acid	≤ 4.0	0.0	%	
- Palmitic acid	≤ 16.0	5.6	%	
- Palmitoleic acid	≤ 8.0	0.2	%	
- Stearic acid	≤ 6.0	1.6	%	
- Myristic acid	≤ 5.0	0.1	%	

This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

Date: 24-03-2025

S. Bayat, MSc, pharmacist
Department of Quality Control Duchefa B.V.

The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.

Duchefa Biochemie B.V.