



## CERTIFICATE OF ANALYSIS

Product : **TWEEN 20**  
(POLYOXYETHYLENESORBITAN MONOOLEATE)  
Product number : P1362  
Batch number : 017248  
Date of analysis : 08-03-2022  
Date of expiry : 31-03-2025  
  
Packaging and storage : in a well-closed container

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	oily yellow or brownish-yellow, clear or slightly opalescent liquid	clear yellow liquid		
Acid value	≤ 2.0	1.4	mg KOH	
Hydroxyl value	96 – 108	102	mg KOH	
Peroxide value	≤ 10	0	meq/kg	
Saponification value	40 – 50	45	mg KOH	
Ethylene oxide	≤ 1	complies	ppm	GC
Dioxan	≤ 1	complies	ppm	GC
Sulphated ash	≤ 0.2	0.1	%	
Water	2.5 – 3.0	2.7	%	

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

Conclusion: approved

Released by:

drs. M. van Wissen, pharmacist  
Department of Quality Control Duchefa B.V.

Date: 31-08-2022

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

Duchefa Biochemie B.V.



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