



CERTIFICATE OF ANALYSIS

Product : **TWEEN 20**
(POLYOXYETHYLENESORBITAN MONOOLEATE)
Product number : P1362
Batch number : 018725
Date of analysis : 02-08-2024
Date of expiry : 31-07-2027

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	0.0 – 2.0	1.3	mg KOH	
Hydroxyl value	96 – 108	100	mg KOH	
Peroxide value	0 – 10	0	meq/kg	
Saponification value	40 – 50	43	mg KOH	
Ethylene oxide	≤ 1	complies	ppm	GC
Dioxan	≤ 1	complies	ppm	GC
Sulphated ash	0.0 – 0.2	0.1	%	
Water	2.5 – 3.0	2.6	%	

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

Conclusion: approved

Released by:

J. van der Eem, MSc, pharmacist
Department of Quality Control Duchefa B.V.

Date: 23-08-2024

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

Duchefa Biochemie B.V.

