

## Certificate of Analysis

**Productname:** Versatile <sup>TM</sup>  
**Number of analysis/Inspection Code** MON-202404B / KEUR-189697B  
**Batchnumber:** 21000139/BI210053  
**Reference code / No.:** 2712 / 21000139/BI210053  
**Analysed according to:** INTERN

Tests	Requirement	Result	Unit	Standard remark
Appearance	Stiff, shiny homogeneous mass	Conform		
Colour	Off white to very light yellow	Conform		
Odour	Weak, characteristic odour	Conform		
Density	0,96 - 1,00	0,98	g/ml	
Viscosity	20000 - 60000	37467	mPa.s	10 rpm sp.7
pH	3,5 - 5,5	3,7		Immediate after production
Identification Benzoic acid	Conform	Conform		HPLC
Identification Sorbic acid	Conform	Conform		HPLC
Assay Benzoic acid	0,090 - 0,170	0,103	%m/m	HPLC
Assay Sorbic acid	0,090 - 0,170	0,092	%m/m	HPLC
Total aerobic microbial count (TAMC)	<=100	Conform	CFU / g	
Total yeasts and moulds (TYMC)	<=10	Conform	CFU / g	
Ps. aeruginosa	Absent	Conform	/g	
St. aureus	Absent	Conform	/g	

**Release:**  
Chantal Nobus  
Qualified Person

14-04-21

Expiration: 11-2023

Conclusion: APPROVED

This document has been produced electronically from our quality system and is valid without signature.

**CERTIFICATE OF ANALYSIS**

Our Ref. : F21/0392-01  
 Our Sample Id. : 49883

**Royal Herkel  
 Nobelweg 6  
 3899 BN Zeewolde  
 NETHERLANDS**

Product :	Versatile Cream Base	Date of application :	16/02/2021
Lot number :	21000139/BI210053	Date of reception :	17/02/2021
Customer product number :		Date start of analysis :	23/02/2021
Customer reference :		Date of end of analysis :	05/03/2021

---

Test Method : ANA-FAG-070/1  
 Spec Reference : ANA-FAG-070/1

---

**PERFORMED ANALYSIS AND RESULTS**

Analysis	Specification	Result
<b>Aspect</b>		
Appearance	Stiff, shiny, homogeneous, cream	Complies
Colour	Off-white to very light yellow	Complies
Odour	Specific, not perfumed	Complies
Agglomeraten	ABSENT	Absent
<b>Identifications</b>		
Identification Benzoic acid (HPLC)	The assay of benzoic acid shows peak at the same retention times as the standard	POSITIVE
Identification Sorbic acid (HPLC)	The assay of sorbic acid shows peak at the same retention times as the standard	POSITIVE
<b>Other tests</b>		
Density (Ph.Eur.2.2.5)	0,96 - 1,00 g/mL	0.98 g/mL
pH (Ph.Eur.2.2.3)	3,5 - 5,5	3.7
<b>Viscosity</b>		
Viscosity 10 rpm (Ph.Eur.)	20000 - 60000 mPa.s	37467 mPa.s
Instrument		RV
Spindle		7
<b>Assays</b>		
<b>Assay of Preservatives (HPLC)</b>		
Assay : Benzoic acid ( HPLC )	0,090 - 0,170 %	0.103 %
Assay : Sorbic acid ( HPLC )	0,090 - 0,170 %	0.092 %

**CONCLUSION :** The sample complies with the specifications of the performed analysis.

**CERTIFICATE OF ANALYSIS**

Our Ref. : F21/0392-01

Our Sample Id. : 49883

Issued By: Ingrid Van den Broeck

Office Manager/HR

Patsy Peeters

Industrial Pharmacist, QP

Date of Issue: 05/03/2021

This is an electronic signature