

CERTIFICATE OF ANALYSIS

Our Ref. : F19/1129-01
Our Sample Id. : 33931

Date of application : 28/05/2019
Date of reception : 03/06/2019
Date start of analysis : 05/06/2019
Date of end of analysis : 28/06/2019

Product : Versatile Rich
Lot number : 1902979/BI190319
Customer product number : 9715604
Customer reference :

Applicant
Royal Herkel
Nobelweg 6
3899 BN Zeewolde
NETHERLANDS
+31365211800

Test Method : ANA-FAG-069/1
Spec Reference : ANA-FAG-069/1

PERFORMED ANALYSIS AND RESULTS

Analysis	Specification	Result
Aspect		
Appearance	Stiff, shiny, homogeneous mass	Complies
Color	Off white to very light yellow	Complies
Odor	Weak, distinctive odor	Complies
Agglomeraten	ABSENT	Absent
Identifications		
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
Other tests		
Density (Ph.Eur.2.2.5)	0,960 - 1,000 g/mL	0.979 g/mL
pH (Ph.Eur.2.2.3)	3,5 - 5,5	4.1
Viscosity		
Viscosity (Ph.Eur)	75000 - 165000 mPa.s	144933 mPa.s
Instrument		RV
Spindle		RV7
Assays		
Assay : Benzoic acid (HPLC)	0,090 - 0,170 %	0.102 %
Assay : Sorbic acid (HPLC)	0,090 - 0,170 %	0.102 %

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

Issued By: Patsy Peeters

Patsy Peeters

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Industrial Pharmacist, QP

Date of Issue: 28/06/2019

This is an electronic signature

Lab. Report Number:
Reporting date:
Page:

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25 February 2019
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Bactimm

No.	Article tested	Batch	TAMC cfu per gram	TYMC cfu per gram	<i>P. aeruginosa</i> per gram	<i>S. aureus</i> per gram	Bile tolerant Gram negative per gram	<i>E. coli</i> per gram	<i>Salmonella</i> per 25 gram	<i>Candida</i> per gram	<i>Clostridium</i> per gram	Osmophilic yeast per gram	Reporting date
F11	Versatile Rich tank: 31	1902979	<10	<10	Absent	Absent	n.v.t.	n.v.t.	n.v.t.	n.v.t.	n.v.t.	n.v.t.	25feb19
F12	Versatile Rich tank: 34	1902982	<10	<10	Absent	Absent	n.v.t.	n.v.t.	n.v.t.	n.v.t.	n.v.t.	n.v.t.	25feb19
F13	D-Glucosamine (F3)	SDC201812031	<10	<10	n.v.t.	Absent	n.v.t.	Absent	Absent	n.v.t.	n.v.t.	n.v.t.	25feb19
F14	D-Glucosamine (F3)	SDC201812036	<10	<10	n.v.t.	Absent	n.v.t.	Absent	Absent	n.v.t.	n.v.t.	n.v.t.	25feb19
F15	Cetomacrogel-creme tank: 55	1902412/4	<10	<10	Absent	Absent	n.v.t.	n.v.t.	n.v.t.	n.v.t.	n.v.t.	n.v.t.	25feb19
F16	Cetomacrogel-creme tank: 59	1902412/2	<10	<10	Absent	Absent	n.v.t.	n.v.t.	n.v.t.	n.v.t.	n.v.t.	n.v.t.	25feb19
F17	Lincin-Shampoo tank: 69	1904874/2	<10	<10	Absent	Absent	n.v.t.	n.v.t.	n.v.t.	n.v.t.	n.v.t.	n.v.t.	25feb19
F18	Lincin-Shampoo tank: 18	1904874/2	<10	<10	Absent	Absent	n.v.t.	n.v.t.	n.v.t.	n.v.t.	n.v.t.	n.v.t.	25feb19

TAMC: Total Aerobic Microbial Count; TYMC: Total Yeast and Moulds counts; n.a. not applicable.

Approved by QC Bactimm:

Date: 25 February 2019

Signature: M.Wubkes

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