

# STUDY

## MAANDVERBANDEN NORMAAL



## 1. FOREWORD

---

The aim of this study is to compare, on the basis of chemical and physical analysis and ability tests at use, quality level and the performances of 2 normal sanitary towels.

### TESTED PRODUCTS:



#### **SAMPLE INTIGENA ( ALDI PRODUCT)**

FRAU SERVVRANCKX MUSTER ZUR  
AUSSCHREIBUNG LOFT DAMENBINDEN  
ART.2777 NORMAL REF: 325-2017-00055781  
Reference: ART.N°2777/NORMAAL ZONDER  
VLEUGELS

Supplier name: SUPPLIER N°503760/HUIDIG  
INTIGENA

Batch N°: ABSENT

Barcode N°: ABSENT



#### **ALWAYS (BENCHMARK)**

MAANDVERBANDEN NORMAAL / NACHT  
REF: 325-2017-00055784

Reference: ART.N°2777/ NORMAAL MET  
VLEUGELS

Supplier name: SUPPLIER N°/BENCH ALWAYS P&G

Batch N°: 7 072 0314 12 08:37 D P:130317

Barcode N°: 4015400428688

The study is based on:

- Sampling and conditioning - Preparation - ISO 186 - XP ENV 12625-2 - ISO 187 - (CH03M)  
*SOP Reference: P04.1.MOP.06285.10*
- Global characteristics of feminine hygiene products - Dimensional measurement - (CH024)  
*SOP Reference: P04.1.MOP.00031.08*
- Mass determination (diapers and similar disposable products) - Gravimetry - NF Q 34-011:1985-12 - (CH01V)  
*SOP Reference: P04.1.MOP.06267.04*
- Adhesiveness on cotton and polyamide - Mechanical - NF Q 34-013 modified - (CH01W)  
*SOP Reference: P04.1.MOP.00259.12*
- Sticking/adherence at use on cotton and polyamide - Mechanical - (CH01Y)  
*SOP Reference: P04.1.MOP.00564.11*
- Feminine hygiene DAY simulation test (4 trials) - Automatic test bench - (CH196)  
*SOP Reference: P04.1.MOP.00262.13*
- Protection at contact (day) - Automatic test bench - (CH117)  
*SOP Reference: P04.1.MOP.00089.11*

## 2. SYNTHESIS/CONCLUSION

According to the study carried out on normal sanitary towel, the products can be ranked as follows:

Product / Brand	Description	Quality Balance Score/5	Quality level	Strength(s)	Weakness(es)
SAMPLE INTIGENA (ALDI PRODUCT)	FRAU SERVIRANCKX MUSTER ZUR AUSSCHREIBUNG LOFT DAMENBINDEN ART.2777 NORMAL REF: 325-2017-00055781	4.7	Very satisfactory	Its aspect / comfort Its absorption and protection	Its low length of the glue deposit Its low resistance to the unsticking on polyamide Its low sticking / adherence at use on polyamide
ALWAYS (BENCHMARK)	MAANDVERBAND EN NORMAAL / NACHT REF: 325-2017-00055784	4.3	Very satisfactory	Its aspect / comfort Its absorption and protection	Its too high resistance to the unsticking on cotton

### Conclusion:

**INTIGENA (ALDI product) presents a very satisfactory performance level and is comparable to Always (benchmark).**

### 3. COMMENTS

---

According to this study, the following points are highlighted:

#### **SAMPLE INTIGENA (ALDI PRODUCT):**

The product **SAMPLE INTIGENA** presents a very satisfactory quality balance towards consumers' technical targets.

Regarding its technical data sheet, the product **SAMPLE INTIGENA** is **in-compliance**.

#### **IMPROVEMENT PROPOSAL PRODUCT SAMPLE INTIGENA:**

- *Its low length of the glue deposit,*
- *Its low resistance to the unsticking on polyamide,*
- *Its low sticking / adherence at use on polyamide.*

*Remark:*

- *We note that this product has a decoration without colour and a decorated silicone paper.*
- *We note that this product has a non-woven surface veil.*
- *We note that this product has rather low length of the glue deposit with negative impact on the resistance to the unsticking and sticking/adherence at use on polyamide.*

#### **ALWAYS:**

The product **ALWAYS** presents a very satisfactory quality balance towards consumers' technical targets.

#### **IMPROVEMENT PROPOSAL PRODUCT ALWAYS:**

- *Its too high resistance to the unsticking on cotton.*

*Remark:*

- *We note that this product has a decoration without colour.*
- *We note that this product has a surface veil composed of micro-perforated film.*
- *We note that this product is the only one product with clean pack of the study.*
- *We note that this product has wings compared to the other products of the study without wings.*
- *We note that this product is the only one of the study to have an acquisition area.*

## 5. QUALITY BALANCE

---

Marking scale

APPRECIATION	SCALE
Very unsatisfactory Unsatisfactory Correct Satisfactory Very satisfactory	from 1 to 2 from 2,1 to 3 from 3,1 to 3,7 from 3,8 to 4,2 ≥ 4,3

PARAMETERS OF STUDY	ASPECT / COMFORT	ADAPTATION TO THE ANATOMY / PRACTICALITY	ABSORPTION / KEEP IN DRY	QUALITY BALANCE
CONSUMER'S CRITERIA	37%	13%	50%	
SAMPLE INTIGENA (ALDI PRODUCT)	4,7	3,6	5,0	4,7
ALWAYS (BENCHMARK)	4,5	4,0	4,3	4,3

## 6. RESULTS

---



## SYNTHESIS OF NORMAL SANITARY TOWELS

		627781	627963
Brand	SAMPLE INTIGENA ( ALDI PRODUCT )	INTIGENA	ALWAYS (BENCHMARK)
Manufacturer	SUPPLIER N°503760/HUIDIG INTIGENA		SUPPLIER N°/BENCH ALWAYS
Denomination	FRAU SERVIRANCKX MUSTER ZUR AUSSCHREIBUNG LOFT DAMENBINDEN ART.2777 NORMAL REF: 325-2017-00055781		MAANDVERBANDEN NORMAAL / NACHT REF: 325-2017-00055784
Batch n°	ABSENT	TARGET	7 072 0314 12 08:37 D P:130317
Sampling and conditioning - Preparation - ISO 186 - XP ENV 12625-2 - ISO 187			
In charge of sampling	zc8r		zc8r
Date of preparation	24/07/2017		24/07/2017
Number of unit per batch	1		4
Number of sampled units	1		4
Number of sheet or article sampled in each unit	4		4
Remarks	--		--
Nominal atmosphere used for conditioning	23°C +/- 1°C ; 50%HR +/- 2%HR		23°C +/- 1°C ; 50%HR +/- 2%HR
Duration of the sample conditioning h	24		24
Realization of a pre-conditioning	No		No
Date and time of end of conditioning	25/07/2017 11:35:02		25/07/2017 11:36:12
Global characteristics of feminine hygiene products - Dimensional measurement			
Number of products per sale unit	--		16
Presence/absence of servicing bag	Absence		Absence
Number of servicing bags	0		0
Presence of individual pouches	Absence		Clean Pack
Presence of decoration	Presence		Presence
Pad weight g	7,03		6,21
Acquisition area weight g	--		0,75
Average thickness of the product mm	7,9		5,9
Total external length mm	231		237
Total external width mm	89		161
Width (without wings) mm	--		93
Width in striction mm	70		--
Pad total length mm	205	202,5 < 225 < 247,5	220
Pad width mm	70	63 < 70 < 77	71
Pad width in striction mm	57		60
Acquisition area total length mm	--		149
Acquisition area total width mm	--		54
Length of the glue deposit mm	154		195
Width of the glue deposit mm	29		50
Mass determination (diapers and similar disposable products) - Gravimetry - NF Q 34-011:1985-12			
Date of the analysis	25/07/2017		25/07/2017
Mass g	8,69	8,01 < 8,9 < 9,79	10,45
Remarks	--		--
Adhesiveness on cotton and polyamide - Mechanical - NF Q 34-013 modified			
Number of glue lines	1		2
Width of the glue lines mm	28		19
Resistance to the unsticking daN	0,33		0,67
Average of the maximum peaks on cotton daN	0,54		0,83
Search for spattering on cotton	Absence		Absence
Search for fibres pulling out on cotton	Presence		Presence
Resistance to the unsticking on polyamide daN	0,06		0,13
Average of the maximum peaks on polyamide daN	0,14		0,19
Search for spattering on polyamide	Absence		Absence
Search for fibres pulling out on polyamide	Absence		Absence
Sticking/adherence at use on cotton and polyamide - Mechanical			
Sticking / stability when wearing (on cotton) daN	2,5		3,8
Sticking / adherence at use (on polyamide) daN	1,4		3,8
Feminine hygiene DAY simulation test (4 trials) - Automatic test bench			
Absorption before leak - in sitting position ml	15,7		14,9
Absorption before leak - in standing position ml	37,3		29,5
Average absorption value: day ml	26,5		22,2
Protection at contact (day) - Automatic test bench			
Average protection against contact dampness %	98		97