

TOP GLOVE SDN BHD

Certificate of Analysis

Customer	ALESSA S.A.
Brand	TOP GLOVE (ALESSA SA)
Sales Order	2000103160
Customer PO	-
Type of Glove	LATEX POWDERED GLOVE (Smooth / Embossed Inside, Natural)
AQL Required	1.5
Date of release	12.05.2020
Reference Standard	The above consignment of goods have been inspected against Top Glove Standard where samples selected at random using Single Sampling Plans for Normal Inspection of ISO 2859-1.
Declared	Quantity, Size, Lot No., Manufacturing Date, Expiry Date

COA1119/2000103160/000

Size	Quantity (Carton)	Quantity (Pieces)	Lot No.	Manufacturing Date	Expiry Date
XS	140	140,000	219103160LPZA	2020-05	2025-04
S	850	850,000	219103160LPZA	2020-05	2025-04
M	2,090	2,090,000	219103160LPZA	2020-05	2025-04
L	450	450,000	219103160LPZA	2020-05	2025-04
XL	270	270,000	219103160LPZA	2020-05	2025-04
TOTAL	3,800	3,800,000			

Characteristics	Size	Unit	Inspection Level	Acceptance	Result
Freedom From Holes					
	XS	PC	GI	AQL 1.5	PASS
	S	PC	GI	AQL 1.5	PASS
	M	PC	GI	AQL 1.5	PASS
	L	PC	GI	AQL 1.5	PASS
	XL	PC	GI	AQL 1.5	PASS

Characteristics	Size	Unit	Inspection Level	Acceptance	Result
Major Visual Defect					
	XS	PC	GI	AQL 2.5	PASS
	S	PC	GI	AQL 2.5	PASS
	M	PC	GI	AQL 2.5	PASS
	L	PC	GI	AQL 2.5	PASS
	XL	PC	GI	AQL 2.5	PASS

Characteristics	Size	Unit	Inspection Level	Acceptance	Result
Minor Visual Defect					
	XS	PC	GI	AQL 4.0	PASS
	S	PC	GI	AQL 4.0	PASS
	M	PC	GI	AQL 4.0	PASS
	L	PC	GI	AQL 4.0	PASS
	XL	PC	GI	AQL 4.0	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Glove Length					S2_4.0MV			
	XS	mm	13	0	1	245	246	PASS
	S	mm	13	0	1	247	248	PASS
	M	mm	13	0	1	248	250	PASS
	L	mm	13	0	1	245	246	PASS
	XL	mm	13	0	1	249	250	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Glove Palm Width					S2_4.0MV			
	XS	mm	13	0	1	76	77	PASS
	S	mm	13	0	1	85	86	PASS
	M	mm	13	0	1	96	97	PASS
	L	mm	13	0	1	104	105	PASS
	XL	mm	13	0	1	116	117	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Fingertip Thickness					S2_4.0MV			
	XS	mm	13	0	1	0.11	0.12	PASS
	S	mm	13	0	1	0.12	0.13	PASS
	M	mm	13	0	1	0.10	0.12	PASS
	L	mm	13	0	1	0.11	0.12	PASS
	XL	mm	13	0	1	0.11	0.12	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Palm Thickness					S2_4.0MV			
	XS	mm	13	0	1	0.09	0.10	PASS
	S	mm	13	0	1	0.10	0.11	PASS
	M	mm	13	0	1	0.09	0.10	PASS
	L	mm	13	0	1	0.09	0.10	PASS
	XL	mm	13	0	1	0.09	0.10	PASS

ASTM D3578-19 Requirement:

Length (mm) :	Width (mm) :	Thickness (Fingertip & Palm) :
XS, S : Min. 220	XS : 70 ± 10	Min. 0.08 mm
M, L, XL, XXL : Min. 230	S : 80 ± 10	
	M : 95 ± 10	
	L : 111 ± 10	
	XL : 120 ± 10	
	XXL : 130 ± 10	

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Tensile Strength Before Aging					S2_4.0MV			
	XS	MPa	13	0	1	19.6	20.1	PASS
	S	MPa	13	0	1	20.7	21.4	PASS

M	MPa	13	0	1	19.6	21.8	PASS
L	MPa	13	0	1	19.6	21.8	PASS
XL	MPa	13	0	1	22.1	23.8	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
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Tensile Strength After Aging

S2_4.0MV

XS	MPa	13	0	1	15.6	16.9	PASS
S	MPa	13	0	1	16.1	17.4	PASS
M	MPa	13	0	1	15.7	17.2	PASS
L	MPa	13	0	1	17.2	18.5	PASS
XL	MPa	13	0	1	14.9	16.8	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
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Elongation Before Aging

S2_4.0MV

XS	%	13	0	1	714.0	752.0	PASS
S	%	13	0	1	698.0	740.0	PASS
M	%	13	0	1	722.0	766.0	PASS
L	%	13	0	1	685.0	710.0	PASS
XL	%	13	0	1	696.0	724.0	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
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Elongation After Aging

S2_4.0MV

XS	%	13	0	1	596.0	682.0	PASS
S	%	13	0	1	612.0	630.0	PASS
M	%	13	0	1	596.0	930.0	PASS
L	%	13	0	1	612.0	624.0	PASS
XL	%	13	0	1	570.0	620.0	PASS

ASTM D3578-19 Requirement:

Before Aging :

Tensile Strength : Min. 18MPa
Elongation at Break: Min. 650%

After Aging :

Tensile Strength : Min. 14MPa
Elongation at Break: Min. 500%

Characteristics	Size	Unit	Sample Size	Mean Value	Result
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Powder Amount (Powdered Glove)

FIXTR_2

XS	mg/dm2	2	7.25	PASS
S	mg/dm2	2	6.98	PASS
M	mg/dm2	2	7.64	PASS
L	mg/dm2	2	7.72	PASS
XL	mg/dm2	2	6.86	PASS

Requirement : Max. 10mg/dm²

Conclusion

We hereby certify that glove consignment of goods were determined to meet the acceptable limit of the specifications as referring to the above findings of randomly selected samples.

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This is a computer generated test report, no signature is required.