

TOP GLOVE SDN BHD

Certificate of Analysis

Customer	ALESSA S.A.
Brand	TOP GLOVE (ALESSA SA)
Sales Order	2000105474
Customer PO	-
Type of Glove	LATEX POWDERED GLOVE (Smooth / Embossed Inside, Green)
AQL Required	1.5
Date of release	27.08.2020
Reference Standard	The above consignment of goods have been inspected against ASTM D3578-19 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

COA1105/2000105474/000

Size	Quantity (Carton)	Quantity (Pieces)	Lot No.	Manufacturing Date	Expiry Date
M	80	80,000	205105474LPZC	2020-08	2025-07
L	150	150,000	205105474LPZC	2020-08	2025-07
TOTAL	230	230,000			

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

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

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

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Glove Length					S2_4.0MV			
	M	mm	13	0	1	249	251	PASS
	L	mm	13	0	1	247	250	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Glove Palm Width					S2_4.0MV			
	M	mm	13	0	1	94	95	PASS
	L	mm	13	0	1	106	106	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Fingertip Thickness					S2_4.0MV			
	M	mm	13	0	1	0.11	0.12	PASS
	L	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			
	M	mm	13	0	1	0.09	0.09	PASS
	L	mm	13	0	1	0.09	0.09	PASS
Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Cuff Thickness					S2_4.0MV			
	M	mm	13	0	1	0.07	0.07	PASS
	L	mm	13	0	1	0.07	0.07	PASS

ASTM D3578-19 Requirement:

Length (mm) :
XS, S : Min. 220
M, L, XL, XXL : Min. 230

Width (mm) :
XS : 70 ± 10
S : 80 ± 10
M : 95 ± 10
L : 111 ± 10
XL : 120 ± 10
XXL : 130 ± 10

Thickness (Fingertip & Palm) :
Min. 0.08 mm

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Tensile Strength Before Aging					S2_4.0MV			
	M	MPa	13	0	1	19.2	19.4	PASS
	L	MPa	13	0	1	18.9	19.3	PASS
Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Tensile Strength After Aging					S2_4.0MV			
	M	MPa	13	0	1	15.9	16.5	PASS
	L	MPa	13	0	1	16.0	16.7	PASS
Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Elongation Before Aging					S2_4.0MV			
	M	%	13	0	1	711.0	761.0	PASS
	L	%	13	0	1	671.0	784.0	PASS
Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Elongation After Aging					S2_4.0MV			
	M	%	13	0	1	594.0	633.0	PASS
	L	%	13	0	1	561.0	617.0	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
Powder Amount (Powdered Glove)			FIXTR_2		
	M	mg/dm ²	2	7.30	PASS
	L	mg/dm ²	2	7.40	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.

Prepared By

SYARIFAH NORBAITI BINTI SYED H
CHEMIST, QA

Approved By

AMAS NG ZIAN KHENG
ASSISTANT MANAGER, QA

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