

TOP GLOVE SDN BHD

CERTIFICATE OF ANALYSIS

Customer ALESSA S.A.
Brand TG [ALESSA SA, MEDO CW] DIM D
Sales Order 2000144178
Customer PO ALS01/21
Type of Glove NITRILE POWDER FREE ONLINE SINGLE CHLORINATED GLOVE (BLACK, FINGER-TEXT)
AQL Required 1.5
Date of release 16.11.2021
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

Size	Quantity (Carton)	Quantity (Pieces)	Lot No.	Manufacturing Date	Expiry Date
S	1800	1,800,000	227144178NCZB	2021-09-01	2026-08-31
M	300	300,000	227144178NCZB	2021-09-01	2026-08-31
TOTAL	2,100	2,100,000			

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

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

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

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

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Glove Palm Width					S2_4.0MV			
	S	mm	13	0	1	85	86	PASS
	M	mm	13	0	1	94	96	PASS

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

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Palm Thickness					S2_4.0MV			
	S	mm	13	0	1	0.06	0.07	PASS
	M	mm	13	0	1	0.06	0.08	PASS

ASTM D6319-19 Requirement:

Length (mm):

XS, S : Min. 220

M, L, XL : Min. 230

Width (mm):

XS: 70 ± 10

S: 80 ± 10

M: 95 ± 10

L: 110 ± 10

XL: 120 ± 10

XXL: 130 ± 10

Thickness (Fingertip & Palm):

Min. 0.05mm

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Tensile Strength Before Aging					S2_4.0TR			
	S	MPa	13	0	1	16.5	22.8	PASS
	M	MPa	13	0	1	17.0	23.2	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Elongation Before Aging					S2_4.0TR			
	S	%	13	0	1	521	575	PASS
	M	%	13	0	1	536	580	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Tensile Strength After Aging					S2_4.0TR			
	S	MPa	13	0	1	17.4	23.9	PASS
	M	MPa	13	0	1	18.4	24.4	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Elongation After Aging					S2_4.0TR			
	S	%	13	0	1	433	489	PASS
	M	%	13	0	1	444	491	PASS

ASTM D6319-19 Requirement:

Before Aging:

Tensile Strength: Min. 14 MPa

Elongation at Break: Min. 500%

After Aging:

Tensile Strength: Min. 14 MPa

Elongation at Break: Min 400%

Characteristics	Size	Unit	Sample Size	Mean Value	Result
Powder Free Residue			FIXTR_5		
(powder free glove)					
	S	mg/glo	5	0.29	PASS
	M	mg/glo	5	0.32	PASS

Requirement : Max. 2mg/glove

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

NISALLINI A/P PILVAMANGALAM
QA ENGINEER

Approved By

WONG ENG YAU
QA MANAGER

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