

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 LATEX POWDERED GLOVE Natural,No Flavour,Smooth / Embossed Inside
AQL Required 1.5
Date of release 30.11.2021
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
XS	100	100,000	219144178LCZB	2021-09-01	2026-08-31
S	400	400,000	219144178LCZB	2021-09-01	2026-08-31
M	300	300,000	219144178LCZB	2021-09-01	2026-08-31
L	150	150,000	219144178LCZB	2021-09-01	2026-08-31
XL	80	80,000	219144178LCZB	2021-09-01	2026-08-31
TOTAL	1,030	1,030,000			

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	244	245	PASS
	S	mm	13	0	1	247	248	PASS
	M	mm	13	0	1	246	247	PASS
	L	mm	13	0	1	245	246	PASS
	XL	mm	13	0	1	244	245	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	77	76	PASS
	S	mm	13	0	1	84	85	PASS
	M	mm	13	0	1	95	96	PASS
	L	mm	13	0	1	104	105	PASS
	XL	mm	13	0	1	112	113	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	0.11	0.12	PASS
	L	mm	13	0	1	0.12	0.13	PASS
	XL	mm	13	0	1	0.12	0.13	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Palm Thickness					S2_4.0MV			
	XS	mm	13	0	1	0.08	0.09	PASS
	S	mm	13	0	1	0.09	0.10	PASS
	M	mm	13	0	1	0.09	0.10	PASS
	L	mm	13	0	1	0.08	0.09	PASS
	XL	mm	13	0	1	0.09	0.10	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. 0.08mm

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Tensile Strength Before Aging					S2_4.0TR			
	XS	MPa	13	0	1	21.4	22.8	PASS
	S	MPa	13	0	1	19.3	20.5	PASS
	M	MPa	13	0	1	22.6	23.4	PASS
	L	MPa	13	0	1	20.2	21.7	PASS
	XL	MPa	13	0	1	19.1	20.9	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Elongation Before Aging					S2_4.0TR			
	XS	%	13	0	1	726	748	PASS
	S	%	13	0	1	708	736	PASS
	M	%	13	0	1	701	729	PASS
	L	%	13	0	1	729	740	PASS
	XL	%	13	0	1	710	735	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Tensile Strength After Aging					S2_4.0TR			
	XS	MPa	13	0	1	15.4	16.3	PASS
	S	MPa	13	0	1	17.9	18.2	PASS
	M	MPa	13	0	1	16.1	17.4	PASS
	L	MPa	13	0	1	15.9	16.8	PASS
	XL	MPa	13	0	1	17.8	18.5	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Elongation After Aging					S2_4.0TR			
	XS	%	13	0	1	607	630	PASS
	S	%	13	0	1	613	624	PASS
	M	%	13	0	1	615	628	PASS
	L	%	13	0	1	603	620	PASS
	XL	%	13	0	1	597	621	PASS

ASTM D3578-19 Requirement:

Before Aging:

Tensile Strength: Min. 18 MPa

Elongation at Break: Min. 650%

After Aging:

Tensile Strength: Min. 14 MPa

Elongation at Break: Min 500%

Characteristics	Size	Unit	Sample Size	Mean Value	Result
Powder Free Residue			FIXTR_5		
(powder free glove)	XS	mg/glo	5	0.78	PASS
	S	mg/glo	5	1.20	PASS
	M	mg/glo	5	1.38	PASS
	L	mg/glo	5	1.40	PASS
	XL	mg/glo	5	1.24	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

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EXECUTIVE, QA

Approved By

TUAN ROBIATUL ADAWIYAH

MANAGER, QA

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