

**TOP GLOVE SDN BHD
(MANUFACTURER)**

CERTIFICATE OF ANALYSIS

Customer ALESSA S.A.
Brand TG [ALESSA SA, MEDO CW] DIM D
Sales Order 5400012361
Customer PO ALS01/22
Type of Glove LATEX POWDER FREE ONLINE SINGLE Natural, No Flavour, Palm Textured/Embossed Outside
Glove Grade CW054
AQL Required 1.5
Date of release 28.12.2022
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	280	280,000	211012361LCZC	2022-09-01	2027-08-31
S	500	500,000	211012361LCZC	2022-09-01	2027-08-31
M	998	998,000	211012361LCZC	2022-09-01	2027-08-31
L	302	302,000	211012361LCZC	2022-09-01	2027-08-31
TOTAL	2,080	2,080,000			

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

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

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

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	245	246	PASS
	L	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			
	XS	mm	13	0	1	74	77	PASS
	S	mm	13	0	1	85	85	PASS
	M	mm	13	0	1	94	95	PASS
	L	mm	13	0	1	105	106	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

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	0.08	0.09	PASS
	L	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	20.7	21.6	PASS
	S	MPa	13	0	1	23.8	24.1	PASS
	M	MPa	13	0	1	22.4	23.3	PASS
	L	MPa	13	0	1	21.1	22.8	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Elongation Before Aging					S2_4.0TR			
	XS	%	13	0	1	730	745	PASS
	S	%	13	0	1	718	730	PASS
	M	%	13	0	1	709	740	PASS
	L	%	13	0	1	724	758	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	15.1	16.8	PASS
	S	MPa	13	0	1	17.4	18.2	PASS
	M	MPa	13	0	1	16.4	17.9	PASS
	L	MPa	13	0	1	18.9	19.7	PASS

Characteristics	Size	Unit	Sample Size	Non-Compliant	Acceptance	Min. Value	Max. Value	Result
Elongation After Aging					S2_4.0TR			
	XS	%	13	0	1	597	630	PASS
	S	%	13	0	1	608	627	PASS
	M	%	13	0	1	613	641	PASS
	L	%	13	0	1	584	622	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	1.24	PASS
	S	mg/glo	5	1.68	PASS
	M	mg/glo	5	1.02	PASS
	L	mg/glo	5	1.86	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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 MANAGER, QA

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

