

TEST REPORT
ACCORDING TO ANSI Z87.1:2020

Customer Name : VICSA SAFETY COMMERCIAL LIMITADA
Purchase Order : -
Our References / Batch Number : -
Model : I-1 IR 3.0 VISOR
Item Code : 201800280566

5 General Requirements (Faceshield)

5.1 Optical Requirement

5.1.1 Optical Qualities

Pass

5.1.2 Luminous Transmittance (Refer to the Transmittance report)

Specification:	Clear : $100 \geq T(L) \geq 85$	
	Tinted : $< 85 T(L) \leq 8$	✓
	Extra Dark : $< 8 T(L) < 0.2$	

5.1.4 Prism & Prism Imbalance

Sample	Prismatic Power (Δ)		Vertical Imbalance (Δ)	Horizontal Imbalance (Δ)	Result
1	0.33	0.11	0.03	0.43 Base In	Pass
2	0.36	0.10	0.03	0.42 Base In	Pass
3	0.33	0.11	0.03	0.43 Base In	Pass
4	0.37	0.08	0.03	0.44 Base In	Pass
5	0.35	0.09	0.03	0.42 Base In	Pass
6	0.36	0.06	0.03	0.43 Base In	Pass
Specification:	≤ 0.37		≤ 0.37	≤ 0.75 Base Out ≤ 0.125 Base In	

Resolving Power (Pattern 20)

Right Ocular

Pass

Left Ocular

Pass

5.2 Physical Requirements

Pass

5.2.1 Drop Ball Impact Resistance

Pass

Type of eye-protector	Velocity	Result
Faceshield	25.4mm 68g Drop from height 127 cm	Pass

5.2.4 Minimum Coverage Area

Pass

7.1 Impact Requirements

7.1.4.2 High Mass Impact

Type of eye-protector	Velocity	Result
Faceshield	25mm 500g Drop from height 127 cm	Pass

7.1.4.3 High Velocity Impact

Type of eye-protector	Velocity	Result
Faceshield	91.4m/s (300ft/s) 6.35mm 1.04g	Pass

7.1.4.4 Penetration Test

Pass

Test performed by,

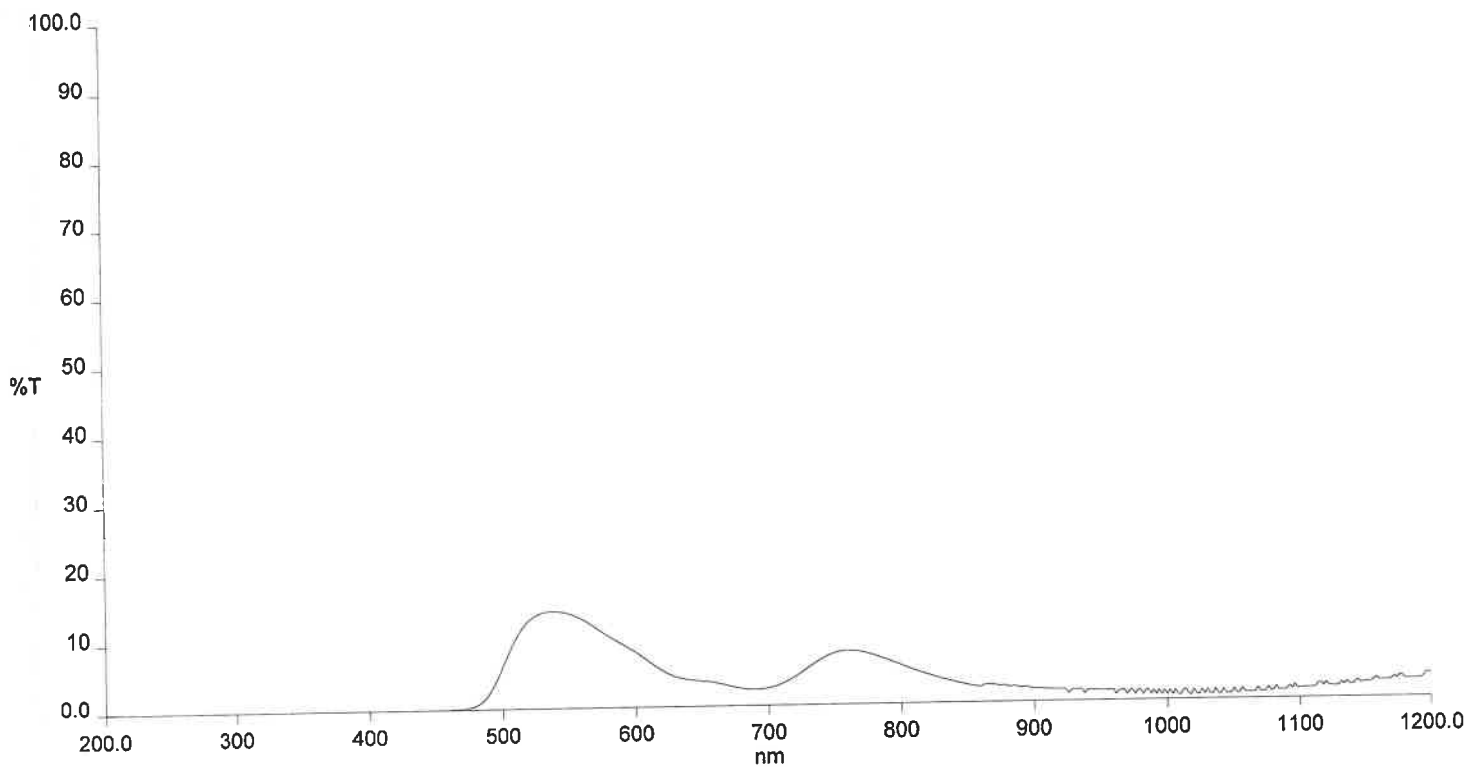


Nurfazira Binti Ibrahim
Assistant QC Supervisor
Date: February 14, 2025

Test checked by,

K. Jagenn
QA Executive

Transmittance Test Report



Method : ANSI Z87.1.msx
Analyst :
Method Info. :
Customer Name : VICSA SAFETY COMMERCIAL LIMITADA
Date : 14-Feb-25 Time : 11:37 AM

Spectrum Name : IR3.sp
Spectrum Info. :

Calculation Result ANSI Z87.1

Luminous Transmittance VIS Range [T(L)]	: 9.93857191 %
Transmittance Far-UV Range [T(EFUV)]	: 0.00097904 %
Transmittance Near-UV Range [T(NUV)]	: 0.00377124 %
Transmittance NIR Range [T(L)]	: 5.08556477 %
Transmittance Blue-Light [T(B)]	: 1.70800788 %