



**COLTS** | Laboratories™

Precision Testing. Definitive Results.

**ANSI Z87.1-2020 & CSA Z94.3:20**

Company Name: \_\_\_\_\_  
 Contacts Name: \_\_\_\_\_  
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- Spectacles       Goggle       Faceshield

Model Name: \_\_\_\_\_

Frame Markings: \_\_\_\_\_

**\*Note: Please include all lens markings in the description of the lenses.**

1<sup>st</sup> Lens Description: \_\_\_\_\_

- +    W    U    L    R    D3    D4    D5    X    O

2<sup>nd</sup> Lens Description: \_\_\_\_\_

- +    W    U    L    R    D3    D4    D5    X    O

3<sup>rd</sup> Lens Description: \_\_\_\_\_

- +    W    U    L    R    D3    D4    D5    X    O

4<sup>th</sup> Lens Description: \_\_\_\_\_

- +    W    U    L    R    D3    D4    D5    X    O

+ – Impact protector    W – Welding Filter    U – Ultraviolet Filter    L – Visible Light Filter    R – Infrared Filter  
 D3 – Droplet / Splash    D4 – Dust    D4 - Fine Dust  
 X – Anti-Fog    O – Relaxed Optics

**Markings and Instructions:**

- Assess    Do not assess

**Sample Disposition:**

- Return all samples    Return failures only    Destroy Samples

**Special Instructions:**



<b>REQUIRED FOR ALL PROTECTORS</b>		
<b>Reference Section</b>	<b>Test Attribute</b>	<b>Quantity for Testing</b>
5.1.5	Refractive Power, Astigmatism, Prism and Prism Imbalance (Rx)	100% testing
5.1.5	Refractive Power, Astigmatism, Prism and Prism Imbalance (magnifiers)	1 per power
5.2.4	Minimum Coverage Area	1
9.1	Optical Quality	1
9.2	Transmittance	1
9.3	Haze	1
9.4	Refractive Power, Astigmatism, and Resolving Power (plano and reader)	1
9.5	Prismatic Power (plano and reader)	1
9.6	Drop Ball	4
9.7	Ignition	1
9.8	Corrosion Resistance	1
9.9	Light Tightness	1

<b>TESTING REQUIRED ONLY WHEN CLAIMS OF COMPLIANCE ARE MADE</b>		
<b>Reference Section</b>	<b>Test Attribute</b>	<b>Quantity for Testing</b>
9.10	Lateral Protection	1
9.11	High-Mass Impact (plano, Rx, readers, magnifiers, Rx lens carriers)	4
9.12	High-Velocity Impact (plano, Rx, readers, magnifiers)	6
9.12	High-Velocity Impact (Rx lens carriers)	12
9.13	Penetration	4
9.14	Prescription Lenses Material	3
9.15	Switching Index	1
9.16	Angular Dependence of Luminous Transmittance Test for Automatic Welding Filter Lenses	1
9.17	Droplet and Splash	1
9.18	Dust	1
9.19	Fine Dust Particle	1
9.20	Anti-Fog Lens Test	4