

**POLYCONVERSIONS, INC.**  
 3202 Apollo Drive  
 Champaign, IL 61822

WO# C-0250183  
 Report Date: 06/10/2024  
 Test Date: 05/24/2024  
 PO No. 0521240010  
 Page 1 of 1

**Attention: Jason Smith**

**REPORT OF ANALYSIS**

**MATERIAL:** Item# 42500 – VR Thumb Loops Gown, Large 4 Mil Trans Blue

**SUBJECT:** Chemical Exposure Testing

**TEST METHOD:** Procedure Derived from ASTM F1383-99a

**PROCEDURE:** Each Chemical listed below was applied to a different section of the above referenced material for a total of 10 seconds. A piece of litmus paper was placed behind the exposure zone to note any change in pH. If the litmus paper showed a change, it was concluded that the chemical was able to penetrate the material. Results can be seen in Table 1.


**ACCEPTANCE CRITERIA:** No change in the litmus paper after 10 seconds of exposure.

**RESULTS:**

Chemical	Litmus Paper Change	Pass/Fail
50% NaOH	No	Pass
35% H <sub>2</sub> O <sub>2</sub>	No	Pass
50% HCl	No	Pass
49% HF	No	Pass
70% HNO <sub>3</sub>	No	Pass
50% Acetic Acid	No	Pass
95% H <sub>2</sub> SO <sub>4</sub>	No	Pass
25% TMAH	No	Pass
30% NH <sub>4</sub> OH	No	Pass

Table 1 – Results from the chemical exposure testing

BA/jp

  
 Brenden Allen (Jun 10, 2024 14:34 CDT)  
 Brenden Allen, Manager  
 Chemical Testing

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