

## Chromapol™ 5 Polymer Microbiological Studies

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Chromapol™ 5 polymer has been tested for Preservative Efficacy (Challenge Testing) using a “Mixed Inoculum Preservative Efficacy Test” protocol. The unpreserved polymer passes the standard challenge test using this test method. The product as supplied does not contain a classical preservative.

The organisms used in the preservative efficacy testing were the following:

1. Staphylococcus aureus ATCC 6538
2. Escherichia coli ATCC 8739
3. Pseudomonas aeruginosa ATCC 9027
4. Burkholderia cepacia ATCC 25416
5. Candida albicans ATCC 10231
6. Aspergillus niger ATCC 16404

The preservative efficacy for the product was evaluated according to the following criteria:

**Bacteria:** Not less than a 2.0 log reduction from the initial calculated at 14 days, and; no increase from the 14 day count at 28 days.

**Yeast and Mold:** No increase in the initial calculated count at 14 and 28 days.

(No increase is defined as not more than 0.5 log<sub>10</sub> units higher than the previous value.)

Chromapol 5 polymer met the above preservative efficacy criteria.

Chromapol 5 polymer, when used in a formulated system, does not promote or prevent microbial growth. We recommend normal microbial testing of your finished product.

Lubrizol Advanced Materials, Inc. / 9911 Brecksville Road, Cleveland, Ohio 44141-3247 / TEL: 800.379.5389 or 216.447.5000

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