MAXXZYME® CLC

Peroxide Removal with Enzymes

May 2018

MCTRON TECHNOLOGIES

Polymer Innovation & Engineered Formulations™

Why Enzymatic Peroxide Removal with **Catalase**?

- Complete elimination of hydrogen peroxide used for bleaching. ” **BLEACH CLEAN UP”**
- Fast and reliable
- No influence on dyestuff => ensures even dyeing
- No fabric damage
- Replaces several rinsing stages – saves water and costs
- Specific function – product itself or by-products do not interfere dyeing process, if followed directly.
- Catalase is biodegrable

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MAXXZYME® CPC
Concentrated Catalase

- **Is used in batch process equipment like jets, jiggers or winches.**
- **It works well at broad temperature range**
- **It remains effective even at high peroxide concentrations.**
- **Enzyme dosage 0.01 – 0.05 grams / litre**
- **pH of washing water 4.0 – 9.0**
- **Temperature below 70°C (158°F)**
- **Treatment time 10 – 20 minutes**

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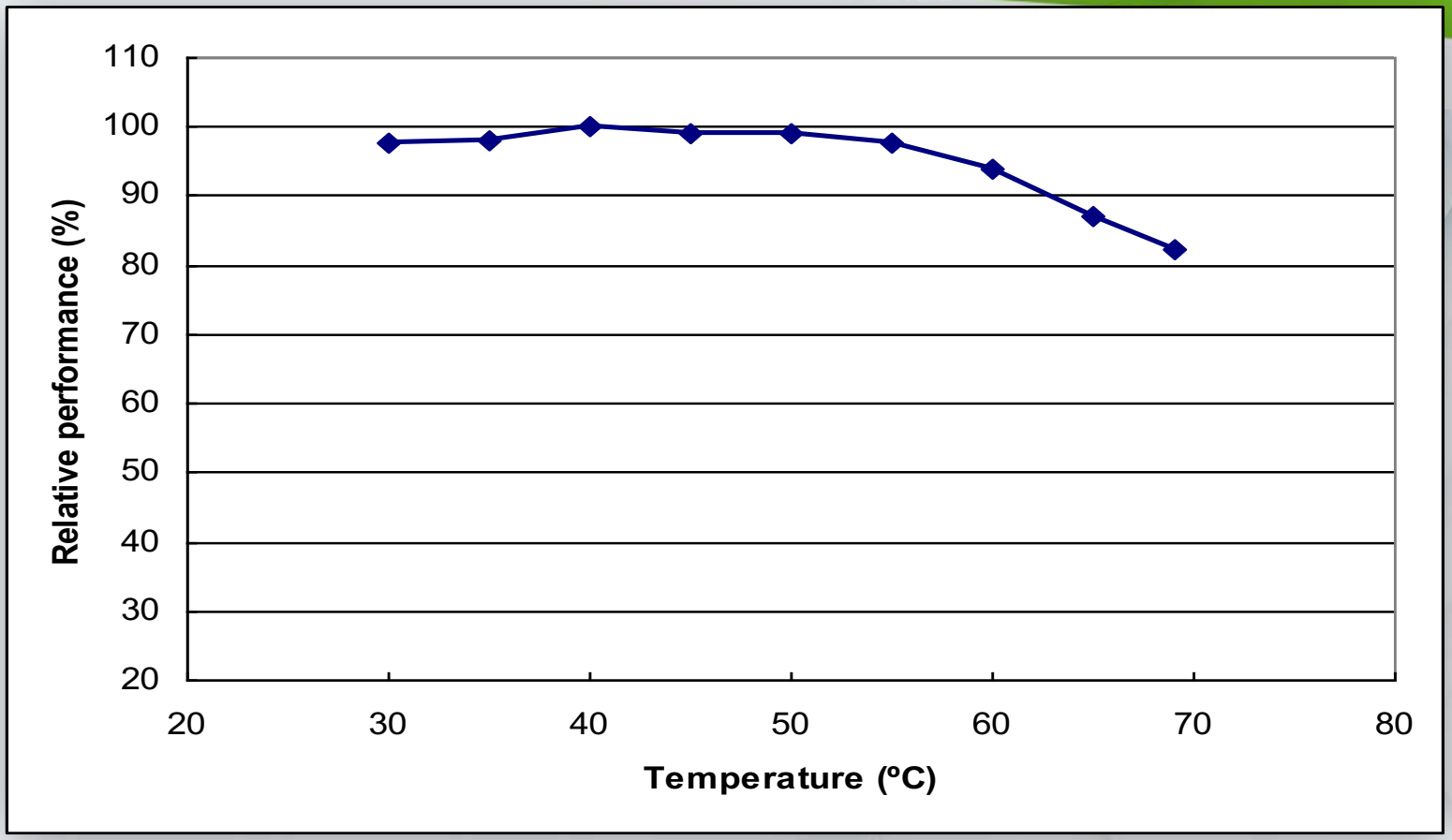
MAXXZYME® CPC – Effect of Temperature on Performance



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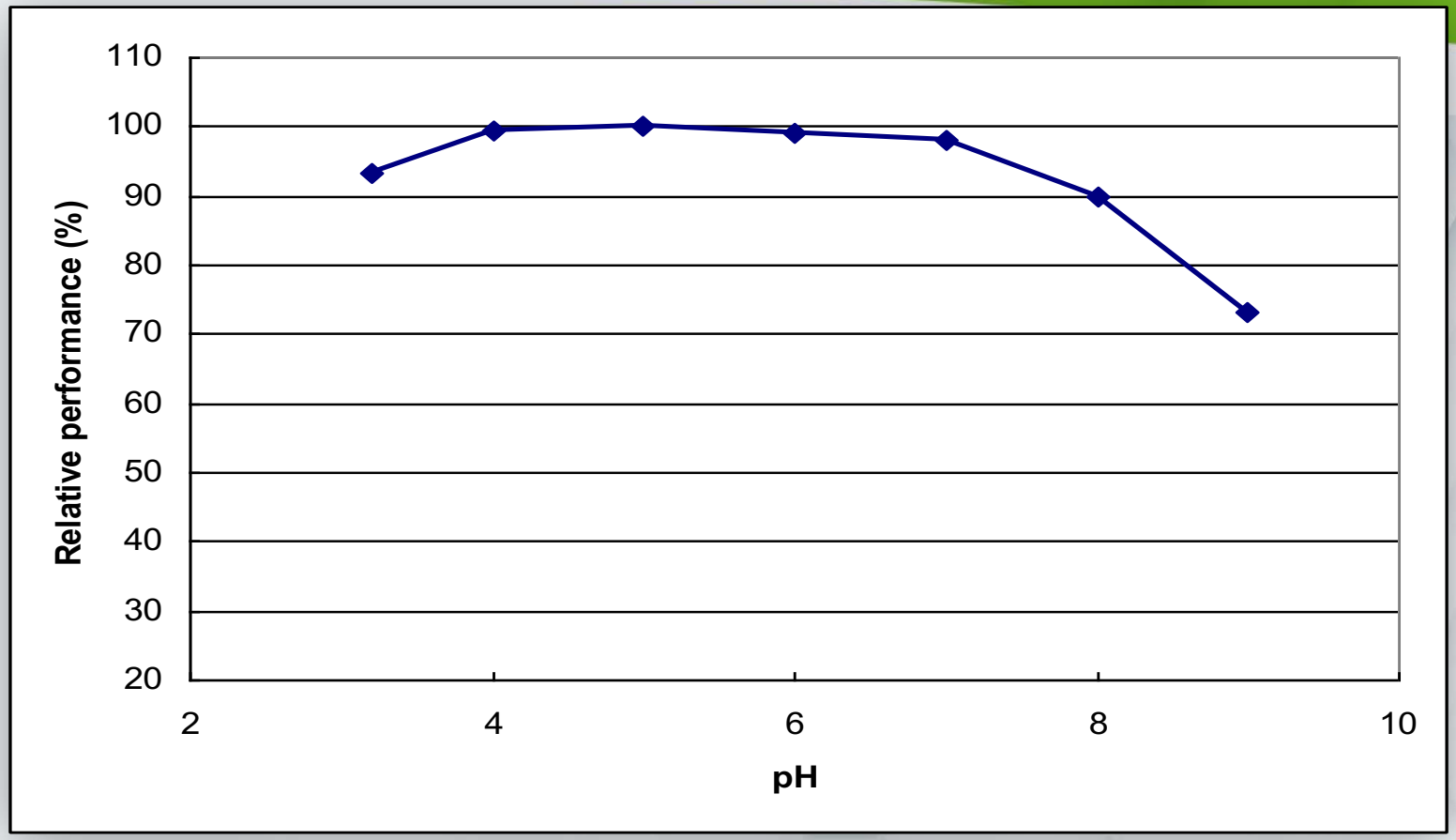
MAXXZYME® CPC – Effect of pH on Performance



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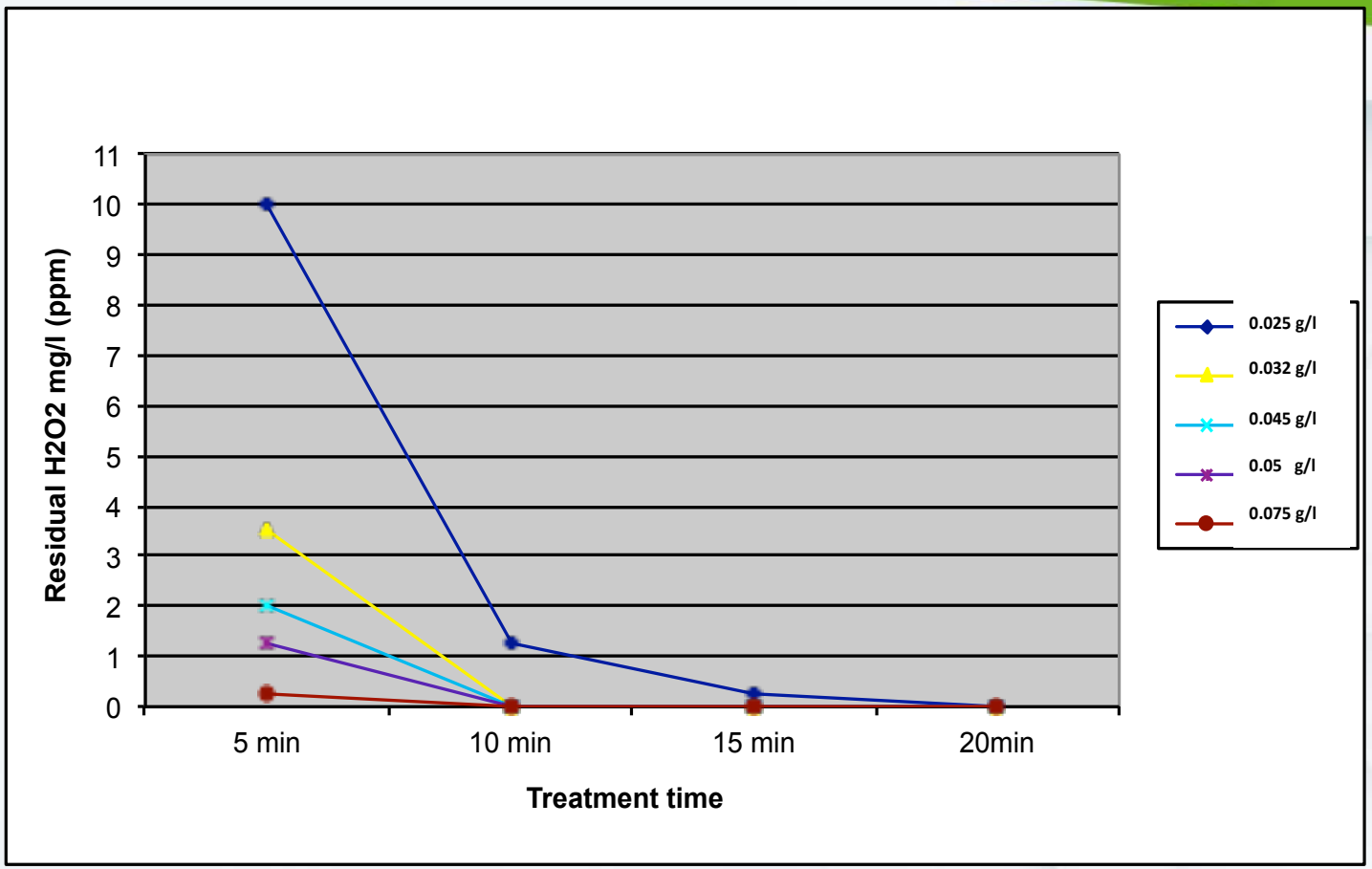
Test conditions:

- Starting level of H2O2;
- 250 mg/l (ppm)
- pH 7.0
- Temp. 50°C/122°F

MAXXZYME® CPC – Effect of pH on Performance



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MAXXZYME® CPC
Catalase for Formulations

Activity:	**286 000 CAU/g**
Form:	**Liquid**
pH:	**4.0 – 9.0**
Temperature:	**Below 70°C/158°F**
Available:	**25 kg canisters, 225 kg drums, 1100 kg**
Dilution:	**20 %(w/w) NaCl (food grade)** **Soft chlorine free water** **pH adjusted to 5.1- 5.3**

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