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| **STANDARD OPERATING PROCEDURE**  Heat Stabilizer Testing |

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## Purpose

## The polymers are the degradable materials at higher temperatures. To make them beneficial we use heat stabilizers. The purpose of testing the heat stabilizers (ZnSt. & CaSt.) are to ensure their effectiveness at high temperatures.

## Scope

This test method covers the determination of the heat stabilizer that which is better heat resistor when expose it into the oven at higher temperatures. By obtaining this data we can conclude that which is favorable for our running system.

## Responsibilities

Trainee Engineer-REC/ Lab Engineer

## Procedure:

1. Take 10g of sample in a dry Petri dish.
2. Put this into the oven at 220o C for 15 minutes.
3. Then put out the sample from oven and let it cool.
4. After cooling check its color.
5. If there is any shade on the sample then it is rejected.

## Associated Documents and Records

**AMENDMENT HISTORY**

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| **REV. #** | **DCR#** | **SECTION** | **AMENDED TEXT** |
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\* All changes made in the document are notified in the Amendment History Table.