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| **STANDARD OPERATING PROCEDURE**  **ASH CONTENT ANALYSIS** |



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| Date: | October 10,2018 |
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| Date: | October 10,2018 |
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| Date: | October 10,2018 |

## Purpose

The test method was developed to determine the ash content of master batch to identify inorganic residues in materials by destructive testing technique.

## Scope

The test method is developed to determine the inorganic content (ash) in Master Batch by destructive testing technique

This procedure shall apply only to a critical Master Batch grade, any trial base production or as per customer demand of any master batch that is being produced in Bin Rasheed Colors and Chemicals Mfg. Co. (Pvt) Ltd via Quality Control Lab. The grade may be Prime / Cheap Color, Filler, Additive, White and other Master Batch Grades including Black or other.

## Responsibilities

* 1. The following trained Quality Control Shift In-charges and Shift Managers of the QC department will perform the assay. The results will be reviewed by QC management or designee.

## Procedure

Approximately 10 grams of the sample material (Or any known material of sample) is taken in a burning Crucible and the Crucible is placed on direct flame in an air atmosphere at temperatures above 500°C burning away the polymer. The ash left on the Crucible is weighed after it is cooled to room temperature.

Ash content is calculated in percentage (%) using the following formula.



## Associated Documents and Records

1. Certificate of Analysis

**AMENDMENT HISTORY**

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| **REV. #** | **DCR #** | **SECTION** | **AMENDED TEXT** |
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