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| **STANDARD OPERATING PROCEDURE**  **QUALITY CONTROL** |

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| Designation | Deputy Manager Production |
| Date | April 22, 2021 |
| **Approval** | | |
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## Purpose

To ensure the quality of the product

## Scope

This procedure is applicable to all the products manufactured in LMD.

## Responsible

## Deputy Manager QC

## Procedure

**QC OF FINISHED GOODS:**

Sample is provided from production department in order to evaluate against standard   
 product w.r.t standard product lines.

**DRY PIGMNET**

1. Sample is provided in powder form.
2. By using two roll mill chip of standard and samples are formed in PVC.
3. Using spectrophotometer values are checked.
4. Final values of sheets are checked on spectrophotometer.
5. Limit of ∆E < 1 for approval of product.
6. If product is approved, go head is given to production department for filling.
7. If product is not approved re-work is done.
8. Steps 1, 6 are performed then adjustment is recommended production department resample.
9. Retention period for QC samples of DPM series is 1 year.

**POLYTINT:**

1. Sample is provided in liquid form.
2. Particle size is checked on grinding gauge. Which must be <2.5 µ
3. Shade is evaluated by drawing panels against standard.
4. Viscosity is checked by using viscometer at 25 Deg C. And compare with viscosity of product on TDS or with the viscosity of standard sample
5. Final values of shades are checked on spectrophotometer. Limit of ∆E < 1 for approval of product.
6. If product is approved, go head is given to production department for filling.
7. If product is not approved re-work is done.
8. Steps 1 to 6 are performed.
9. Retention period for QC samples is 6 Months for PT series.

**WATER BASED PRODUCTS:**

1. Sample is provided in liquid form.
2. Particle size is checked on grinding gauge. Which must be <2.5 µ.
3. Shade is evaluated by drawing panels of tint against standard.
4. Viscosity is checked by using viscometer at 25 Deg C. And compare with viscosity of product on TDS or with the viscosity of standard sample
5. PH is checked by using PH meter, which must be between 7-9.
6. Final values of shades are checked on spectrophotometer. . Limit of ∆E < 1 for approval of product.
7. If product is approved, go head is given to production department for filling.
8. If product is not approved re-work is done.
9. Steps 1 to 7 are performed.
10. Retention period for QC samples is 1 Year.

**SOLVENT BASED PRODUCTS:**

1. Sample is provided in liquid form.
2. Particle size is checked on grinding gauge. Which must be <2.5 µ.
3. Shade is evaluated by drawing panels of tint against standard.
4. Viscosity is checked by using viscometer at 25 Deg C. And compare with viscosity of product on TDS or with the viscosity of standard sample
5. Final values of shades are checked on spectrophotometer. Limit of ∆E < 1 for approval of product.
6. If product is approved, go head is given to production department for filling.
7. If product is not approved re-work is done.
8. Steps 1 to 6 are performed.
9. Retention period for QC samples is 1 Year.