

CERTIFICATE OF ANALYSIS

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|-------------------|---|
| Product | <i>Polyethylene Terephthalate (Copolymer)</i> |
| LOT No. | |
| Grade | PARS PET-BG781 (Bottle Grade) |
| Issue Date | |

Laboratory Analysis Report

| Item | Unit | Specification | Avg. Result | Method |
|----------------------------|--------------------|-----------------|-------------|---|
| <i>Intrinsic Viscosity</i> | <i>dl/g</i> | 0.78 ± 0.02 | | ISO 1628-5 <small>in combination with NVPET05</small> |
| <i>DEG</i> | <i>wt%</i> | ≤ 1.5 | | ASTM E2409-4 <small>in combination with WN-B010-9008E</small> |
| <i>Color (CIE Lab)</i> | <i>L*</i> | ≥ 90 | | ASTM D6290-5 <small>in combination with WN-B010-7110E</small> |
| | <i>b*</i> | ≤ 2.0 | | |
| <i>Carboxyl End Group</i> | <i>meq / Kg</i> | ≤ 32 | | ASTM D7409-7 <small>in combination with WN-B010-7013E</small> |
| <i>Melting Point</i> | $^{\circ}\text{C}$ | 249 ± 3 | | ASTM D3418-3 <small>in combination with WN-B010-7089E</small> |
| <i>Acetaldehyde</i> | <i>ppm</i> | ≤ 1.0 | | ASTM F2013-5 <small>in combination with WN-B010-9013E</small> |
| <i>Water Content</i> | <i>wt%</i> | ≤ 0.3 | | ASTM D6869-3 <small>in combination with WN-B010-7159E</small> |

Note: 1) Water Content determined before packing.
2) Color Determined after Crystallization & grinding.
3) All presented parameters would be the average of lab results.

SIGN: _____
LABORATORY MANAGER

SIGN: _____
PROCESS ENGINEERING

Form No.: LAB-QR34-05

Certification of the Integrated Management System (IMS) requirements of ISO9001:2000 / ISO 14001:2004 / OHSAS 18001:1999



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