

### CERTIFICATE OF ANALYSIS

<b>Product</b>	<i>Polyethylene Terephthalate (Copolymer)</i>
<b>LOT No.</b>	
<b>Grade</b>	<b><i>PARS PET-BG821 (Bottle Grade)</i></b>
<b>Issue Date</b>	

#### Laboratory Analysis Report

Item	Unit	Specification	Avg. Result	Method
<i>Intrinsic Viscosity</i>	<i>dl/g</i>	0.82 ± 0.02		<b>ISO 1628-5</b> <small>in combination with NVPET05</small>
<i>DEG Content</i>	<i>wt%</i>	≤1.5		<b>ASTM E2409-4</b> <small>in combination with WN-B010-9008E</small>
<i>Color (CIE Lab)</i>	<i>L*</i>	≥90		<b>ASTM D6290-5</b> <small>in combination with WN-B010-7110E</small>
	<i>b*</i>	≤2.0		
<i>Carboxyl End Group</i>	<i>meq / Kg</i>	≤32		<b>ASTM D7409-7</b> <small>in combination with WN-B010-7013E</small>
<i>Melting Point</i>	°C	249±3		<b>ASTM D3418-3</b> <small>in combination with WN-B010-7089E</small>
<i>Acetaldehyde</i>	<i>ppm</i>	≤1.0		<b>ASTM F2013-5</b> <small>in combination with WN-B010-9013E</small>
<i>Water Content</i>	<i>wt%</i>	≤0.3		<b>ASTM D6869-3</b> <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-QR38-04

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



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