



## CERTIFICATE OF ANALYSIS

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