



## CERTIFICATE OF ANALYSIS

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

### Laboratory Analysis Report

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

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

Alfa Polymer Kimia

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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