

PET 821 Certificate of Analysis

Laboratory Analysis Report

Item	Unit	Specification	Avg. Result	Method
<i>Intrinsic Viscosity</i>	<i>dl/g</i>	0.82 ± 0.02		ISO 1628-5 in combination with NVPE105
<i>DEG Content</i>	<i>wt%</i>	≤ 1.5		ASTM E2409-4 in combination with WN-B010-9008E
<i>Color (CIE Lab)</i>	<i>L*</i>	≥ 90		ASTM D6290-5 in combination with WN-B010-7110E
	<i>b*</i>	≤ 2.0		
<i>Carboxyl End Group</i>	<i>meq/Kg</i>	≤ 32		ASTM D7409-7 in combination with WN-B010-7013E
<i>Melting Point</i>	$^{\circ}\text{C}$	249 ± 3		ASTM D3418-3 in combination with WN-B010-7089E
<i>Acetaldehyde</i>	<i>ppm</i>	≤ 1.0		ASTM F2013-5 in combination with WN-B010-9013E
<i>Water Content</i>	<i>wt%</i>	≤ 0.3		ASTM D6869-3 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.

Application:



 Unit 302, Sheydayee BLD, Sazman AB, Tehranpars

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