

## PRODUCT SPECIFICATION

# Purified Isophthalic Acid (PIA)

<b>Chemical Name</b>	: 1,3-benzenedicarboxylic acid		
<b>Molecular Formula</b>	: C <sub>8</sub> H <sub>6</sub> O <sub>4</sub>	<b>Molecular Weight</b>	: 166.13 g/mol
<b>HS Code</b>	: 2917391000	<b>CAS number</b>	: 121-91-5
<b>UN Code</b>	: Not Applicable	<b>DG Class/PKG GP</b>	: Not Applicable
<b>Applications</b>	: Widely used in Bottle Grade PET Resin, Low-Melting PET Fiber, Saturated Polyester Resin, Unsaturated Polyester Resins (UPR), Alkyd Resins, Polyurethane Adhesives, Isophthaloyl Dichloride (IPC), Dimethyl Isophthalate-5-Sulfonate (SIPM), Diethyl Isophthalate (DEIP), Hydroxy Isophthalate, Nitro Isophthalate, Amino Isophthalate acid and Dimethyl Isophthalate (DMIP).		
<b>Packaging</b>	: 500 kg or 1,000 kg per bag, 20MT per 20ft FCL container.		

<b>Characteristics</b>	<b>Unit</b>	<b>Guaranteed Values</b>
Appearance	-	White crystalline powder
Purity	% w/w	99.8 Min
Acid Number	mg KOH/gm	673 - 677
3-CBA	ppm w/w	25 Max
m-Toluic Acid	ppm w/w	150 Max
Moisture	% w/w	0.1 Max
b*	colour	1.0 Max
Ash	ppm w/w	15 Max
Metals	ppm w/w	None greater than 2 and in total max 10
Mean Particle Size	µm	95 - 125