

## 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>	: 25kg, 500kg or 1000kg per bag, 20MT per 20-ft FCL container with pallets		

Characteristics	Unit	Guaranteed Values
Appearance	-	White crystalline powder
Purity	% w/w	99.9 Min
Acid Number	mg KOH/gm	673 - 677
3-Carboxybenzaldehyde	wt ppm	25 Max
Metal-Toluic Acid	wt ppm	150 Max
Moisture	wt %	0.1 Max
b*	-	Report
Ash	wt ppm	15 Max
Total Metals	wt ppm	10 Max
Fe	wt ppm	1 Max
Co	wt ppm	1 Max
Mn	wt ppm	1 Max