



INDORAMA PETROCHEM LIMITED

Specification of Indorama Petrochem Limited.

Product: Purified Terephthalic Acid (PTA)

Parameter	Test Method	Unit	Specification
Appearance	IRPL-WI-QCD-001 (Visual inspection)	N.A.	White free flowing crystalline powder free from visible contamination
Acid Number	IRPL-WI-QCD-101 (Auto titrator)	mg KOH/gr. TA	675 +/- 2
4-Carboxybenzaldehyde (4-CBA)	IRPL-WI-QCD-121 (Capillary Electrophoresis)	wt. ppm	25 max
Paratoluic Acid + 4-CBA	IRPL-WI-QCD-121 (Capillary Electrophoresis)	wt. ppm	190 max
Color "b**"	IRPL-WI-QCD-104 (Color view-BYK Gardner)	N.A.	0.8 +/-0.4
Total Significant Metals (Co, Cr, Mn, Mo, Ni, Ti)	IRPL-WI-QCD-123 - Inductively coupled plasma(ICP-AES)	wt. ppm	4 max
Iron Fe	IRPL-WI-QCD-123 -Inductively coupled plasma(ICP-AES)	wt. ppm	1 max
Ash	IRPL-WI-QCD-102 Gravimetric(Ignition in furnace)	wt. ppm	6 max
Moisture	IRPL-WI-QCD-114 (KF Titration)	Wt. %	0.15 max
Color in 2 Molar KOH solution	IRPL-WI-QCD-103 (Color comparator)	Hazen Units	10 max
Millipore	IRPL-WI-QCD-106 (Color view-BYK Gardner)	N.A.	0.90 min
Median Size Particle	IRPL-WI-QCD-111 (Laser diffraction)	Micron	105 +/- 20