

**Laboratory** Aditya Birla Science and Technology Company Limited,  
(Analytical Science and Technology), Plot No.1 & 1-A/1, MIDC Taloja,  
Taluka Panvel, District Raigad, Maharashtra

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Chemical Testing **Issue Date** 14.11.2014

**Certificate Number** T-3187 **Valid Until** 13.11.2016

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<b>I.</b>	<b>COAL, COKE &amp; OTHER SOLID FUEL</b>			
1.	Coal	Composition	ASTM E 1131-08 (RA 2014)	Qualitative
<b>II.</b>	<b>PLASTICS AND RESINS</b>			
1.	Polymers /Elastomers	Glass transition temperature	ASTM D 7426-08 (RA 2013)	(-) 90 °C to 500 °C
<b>III.</b>	<b>TEXTILE &amp; TEXTILE AUXILIARIES</b>			
1.	Viscose fiber	Whiteness of fiber	AATC 110-2011	Min. 0.01 index Max 100
<b>IV.</b>	<b>IONIC LIQUID</b>			
		Octanoate Anion content	Internal method by GC (SOP/GR.1/17-02) ( RA 2013)	(2 to 5) % of Octanoic acid
		Moisture	ASTM E 203-08 (RA 2013)	0.1 % to 100 %
<b>V.</b>	<b>INDUSTRIAL &amp; FINE CHEMICALS</b>			
		Detection of functional groups	ASTM E 1252-98 (RA 2007)	Qualitative
1.	Carbon black	Surface area	ASTM D 6556-10 (Reapproved 2014)	(25.0 to 160) m <sup>2</sup> /gm; (25 X 10) <sup>3</sup> m <sup>2</sup> /kg to 160 X 10) <sup>3</sup> m <sup>2</sup> /kg)
		Particle size	Internal method SOP/GR. 3/04-01 (by Zeta sizer)	0.5 nm to 6 μm

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2.	Carbon black Feed stock	Sulphur	ASTM D 2622-10	1 % to 5 %
3.	Alumina	Phase identification	Internal method SOP/GR. 2/07-01 (By XRD)	Qualitative
<b>VI. DRUGS &amp; PHARMACEUTICALS</b>				
1.	Ciprofloxacin hydrochloride (Raw material)	Assay	USP 35; Pg 2670 -2671 (by HPLC)	98.0 % to 102.0 %
2.	Acetaminophen (Raw material)	Assay	IP 2014: Pg 2429-2430 (by UV/Visible spectrophotometer)	99.0 % to 101 %
<b>VII. PAPER &amp; PULP</b>				
1.	Cellulose pulp sheet	Moisture content	ASTM D 2495-07	1.0 % to 10.0 %
<b>VIII. WATER</b>				
1.	Tap water	Aluminium	Internal method (by ICP-OES SOP/GR. 2/09-01 (2014)	5 µg/L to 1000 mg/L (5 X 10 <sup>-9</sup> kg/l to 1 x10 <sup>-3</sup> kg/l)

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