

**Laboratory**                      **Quality Assurance Laboratory, SKI Carbon Black (India) Pvt. Ltd.,  
Unit: Hi-Tech Carbon, K-16, Phase-II, SIPCOT Ind. Complex,  
Gummidipoondi, Thiruvallur, Tamil Nadu**

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

**Discipline**                      **Chemical Testing**                      **Issue Date**    **08.12.2016**

**Certificate Number**        **T-0273**                                      **Valid Until**    **07.12.2018**

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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>INDUSTRIAL &amp; FINE CHEMICALS</b>			
<b>1</b>	<b>Carbon Black Feed Stock</b>	Specific Gravity	ASTM D 1298-05	1.000 g/cc to 1.100 g/cc
		Moisture Content	ASTM D 95- 05 <sup>e1</sup>	0.10 % to 10 %
		N-Pentane Insoluble	ASTM D 893-05a	2.00 % to 10.00 %
		Toluene Insoluble	ASTM D 893- 05a	0.010 % to 1.00 %
		Ash Content	ASTM D 482-03	0.001 % to 0.100 %
<b>2.</b>	<b>Carbon Black</b>	Iodine Adsorption Number	ASTM D 1510- 13	30.00 mg/g to 170.00 mg/g
		Oil Absorption No (OAN)	ASTM D 2414- 13a	60.00 cc/100g to 150.00 cc/100g
		Pour Density	ASTM D 1513-05: (2012)	300.00 kg/m <sup>3</sup> to 500.00 kg/m <sup>3</sup>
		Sieve Residue	ASTM D 1514-04: (2011)	0.0001 % to 0.1000 %
		Toluene Discolouration	ASTM D 1618-99: (2011)	50.0 % to 100.0 %
		Heating loss	ASTM D 1509-95: (2012)	0.10 % to 10.00 %
		Fines Content	ASTM D 1508-02: (2012)	1.00 % to 20.00 %
		Ash Content	ASTM D 1506-99: (2013)	0.10 % to 1.00 %
		pH Value	ASTM D 1512-05: (2012)	5 pH to 10 pH
	Tint strength	ASTM D 3265-13a	50.00 % to 130.00 %	

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	<b>Carbon Black</b>	Nitrogen Surface Area	ASTM D 6556-10	30.00 m <sup>2</sup> /g to 150.00 m <sup>2</sup> /g
		STSA Surface Area	ASTM D 6556-10	30.00 m <sup>2</sup> /g to 150.00 m <sup>2</sup> /g
		Compressed Oil Absorption No (COAN)	ASTM D 3493-13	60.00 cc/100g to 150.00 cc/100g

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