



Phillips Carbon Black Limited

# PHILLIPS CARBON BLACK LIMITED

## Certificate of Analysis

ORIENT BLACK

Invoice No./Serial No.	2431008179	Date	11.10.2019
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Manufacturing Unit: PCBL, Mundra-370 421, Gujarat, India.	Export Invoice No. :
Carbon Black Grade: N220	Customer Code:
Consignee: Shree Sai Research Lab. Ghanegaon MIDC, Waluj.	Production Code : M19J05B
	Net Weight (MT) : 1.000
	Truck / Container No. : GJ12AT7169
	Customer Specification Rev. No. :

Carbon Black Evaluation in Natural Rubber			Physico Chemical Properties				
Test Method# :ASTM D3192 Curing condition: 30minutes@145°C			Parameters	Test Methods#	Unit	Result	Specification
Property	Result	Specification	Iodine Adsorption Number	ASTM D1510	g/kg	83.4	77.0 -87.0
The data mentioned here were obtained from the tests on samples taken during the time of production and / or packaging of this product. We do not guarantee / warrantee the same test			Oil Absorption Number (OAN)	ASTM D2414	cm <sup>3</sup> /100g	103.2	97.0 -107.0
			Sieve residue-325 mesh	ASTM D1514	%	0.0264	0.0750 MAX
			Sieve residue-35 mesh	ASTM D1514	%	0.0001	0.0010 MAX
			Heating Loss	ASTM D1509	%	0.66	2.00 MAX
			Fines	ASTM D1508	%	6.4	10.0 MAX
			Pellet hardness - Avg. of 20 Pellets	ASTM D5230	gf	22.5	40.0 MAX
			Pour Density	ASTM D1513	kg/m <sup>3</sup>	376	345 -405
			Ash Content	ASTM D1506	%	0.25	0.75 MAX

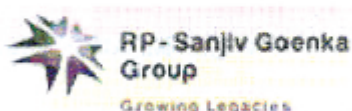
The data mentioned here were obtained from the tests on samples taken during the time of production and / or packaging of this product. We do not guarantee / warrantee the same test results will be obtained by others in other laboratories and we disclaim liability resulting from the use of the contents of this report.

Questions or discussion of these data may be addressed to :

QC and R & D Lab.,  
Phillips Carbon Black Limited  
Post Office : Survey No. 47, Village Mokha ( PIN - 370 421 )  
Dist. - Kutch, Tal. Mundra, State - Gujarat ( India )  
Ph : (02838) 619223  
Email : pcblqc.mundra@rp-sg.in

# All the tests were carried out as per latest test methods.

Delivery No : 81077241  
Spec.Issue Date : 11.09.2009  
Date of Manufacturing : 05.10.2019  
QC : F : 005  
Issue No. : 003.00



For Phillips Carbon Black Limited

Authorised Signatory

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CIN : L23109WB1960PLC024602

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