

## CARBON BLACK QUALITY INSPECTION REPORT

Products Standard: ASTM D1756-2010

Product Name	N550	Lab No	2016-6-1	Date of Production	JUL 18,2016		
Sample No.	11605064-0720	Product Quality(t)	20.0	Date of Analysis	JUL 20,2016		
ITEM		Target Value	Test Data	Test Method			
Appearance		Black Particles	Black Particles	Visual Inspection			
Iodine Absorption Number g/kg		43	42	ASTM D-1510			
Oil Absorption Number 10 <sup>-5</sup> m <sup>3</sup> /kg		121	122	ASTM D-2414			
Oil Absorption Number of Compressed Sample 10 <sup>-5</sup> m <sup>3</sup> /kg		85	86	ASTM D-3493			
NSA Multipoint 10 <sup>3</sup> m <sup>2</sup> /kg		40	37	ASTM D-6556			
STSA 10 <sup>3</sup> m <sup>2</sup> /kg		39	37	ASTM D-6556			
Heating Loss % ≤		1.5	0.2	ASTM D-1509			
Ash Content % ≤		0.7	0.11	ASTM D-1506			
45um Sieve Residue % ≤		0.1	0.002	ASTM D-1514			
Impurities		None	None	ASTM D-1514			
Pour Density kg/m <sup>3</sup>		360	368	ASTM D-1513			
Fines Content % ≤		7	3.2	ASTM D-1508			
Stress at 300% Elongation(IRB7#)(MPa)		-0.6	-0.4	ASTM D-3192			
Chloride Content mg/kg		--	60				
Conclusion: Qualified			Remarks:				
Approved by	Susan Yuan	Checked by	Mark Zhang	Sample	Lily Liu	Analyzed by	Jiang Wei

**The Plaza Group, Inc.**