



SANATI DOODEH FAM (SADAF)

Carbon Black Producer

No.	Quality Specification	ASTM	N-121	N-220	N-234	N-299	N-326	N-330	N-339	N-375	N-550	N-660	N-772
1	Iodine Adsorption Number,(g/kg)	D1510	121 ± 5	121 ± 5	120 ± 5	108 ± 5	82 ± 5	82 ± 5	90 ± 5	90 ± 5	43 ± 5	36 ± 5	30 ± 5
2	Oil Absorption Number (OAN),(ml/100g)	D2414	132 ± 5	114 ± 5	125 ± 5	124 ± 5	72 ± 5	102 ± 5	120 ± 5	114 ± 5	121 ± 5	90 ± 5	65 ± 5
3	Oil Absorption Number of Compressed Sample (COAN),(ml/100g)	D3493	111 ± 5	98 ± 5	102 ± 5	104 ± 5	68 ± 5	88 ± 5	99 ± 5	96 ± 5	85 ± 5	74 ± 5	59 ± 5
4	Pour Density,(kg/m³)	D1513	320 ± 20	355 ± 20	320 ± 20	335 ± 20	455 ± 20	380 ± 20	345 ± 20	345 ± 20	360 ± 20	440 ± 20	520 ± 20
5	Heating Loss,(max%)	D1509	1	1	1	1	1	1	1	1	1	1	1
6	Toluene Solvent Discoloration,(min%)	D1618	85	85	85	85	85	85	85	85	75	75	60
7	PH	D1512	7.5 - 9	7.5 - 9	7.5 - 9	7.5 - 9	7.5 - 9	7.5 - 9	7.5 - 9	7.5 - 9	7.5 - 9	7.5 - 9	7.5 - 9
8	Fines Content-QBag,(max%)	D1508	7	7	7	7	7	7	7	7	7	7	7
9	Fines Content-Bag,(max%)	D1508	10	10	10	10	10	10	10	10	10	10	10
10	Individual Pellet Hardness-Max 20,(CN)	D5230	50	50	50	50	50	50	50	50	50	50	50
11	Individual Pellet Hardness-Ave 20,(CN)	D5230	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40
12	Sieve Residue-No 35 US Std max,(ppm)	D1514	10	10	10	10	10	10	10	10	10	10	10
13	Sieve Residue-No 325 US Std max,(ppm)	D1514	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
14	Ash Content,(max%)	D1506	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
15	Sulfur Content,(max%)	D1619	2	2	2	2	2	2	2	2	2	2	2
16	NSA,(m²/g)	D6556	122 ± 5	114 ± 5	119 ± 5	104 ± 5	78 ± 5	78 ± 5	91 ± 5	93 ± 5	40 ± 5	35 ± 5	32 ± 5
17	STSA,(m²/g)	D6556	114 ± 5	106 ± 5	112 ± 5	97 ± 5	76 ± 5	75 ± 5	88 ± 5	91 ± 5	39 ± 5	34 ± 5	30 ± 5
18	Tint Strength (%)	D3265	119 ± 5	116 ± 5	123 ± 5	113 ± 5	111 ± 5	104 ± 5	111 ± 5	114 ± 5	63± 5	57± 5	60± 3
19	Particle size (nm)		11 - 19	20 - 25	20 - 25	20 - 25	26 - 30	26 - 30	26 - 30	26 - 30	40 - 48	49 - 60	61 - 100

QC-DO-004/03

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