

CLEAN ROOM WIPE TEST RESULT COMPARISON

Item	YK120GSM Polyester Wiper	Size: 12" x 12"
Brand	Class 10 & 100 Clean Room Wipes	Features: White , Soft, Seamless, Exact-Cut
Production Date	11/10/20	Sample Date: 11/13/20

Tests		Our Test Result	Standard	Typical Wiper
LPC (pc/cm2) $\geq 0.5\mu\text{m}$ particles		94 88 92 (Avg. 91)	1100	4000-10000
APC (pc/cubic inch) $\geq 0.3\mu\text{m}$ particles		30 40 36 (Avg. 36)	80	1000-3000
Lint (pc/cm2)		N/A		
IC (ppm)	CL ⁻	Non Detected		High ion amount
	NO3 ⁻	Non Detected		High ion amount
	Sulfate	Non Detected		High ion amount
	Sodium ion	Non Detected		High ion amount
	Potassium ion	Non Detected		High ion amount
	Magnesium ion	Non Detected		High ion amount
	Calcium ion	Non Detected		High ion amount
NVR(mg/g) Organic residue	IPA	0.19	0.4	≥ 1.0
Absorbency	Water absorption (ml/g)	3.17	2.4	
	Absorption rate (S)	0.1	1	
FTIR	Silicone oil	Non Detected		Detected
	Amide	Non Detected		Detected
	DOP	Non Detected		Detected
Wipe residue		N/A		Detected
Fluorescer		Non Detected		Detected
Talc		Non Detected		Detected
TIO2(mg/kg)		Non Detected		Detected
Cd		Non Detected	100	
Pb		Non Detected	1000	
Hg		Non Detected	1000	
CR6		Non Detected	1000	
PBBs		Non Detected	1000	