



INNOVATIVE SOLUTIONS FOR CRITICAL ENVIRONMENTS

Valutek, Inc

220 South 9th St.

Phoenix, Arizona, 85034, United States

P +1 602.256.0540 | F +1 602.252.1972

valutek.com | quality@valutek.com

CERTIFICATE OF ANALYSIS

Part Number:	VTPNW-2144
Product Type:	Polyester Wiper
Edge Treatment:	Cold Knife Cut
Lot Number:	230705-100736
Sample Received Date:	08-09-2023
Manufacturing Date:	07-05-2023
Test Date:	07-10-2023

Page 1 of 2

Physical Properties

Test	Method	Specification	Actual	Result
Dimensions	Tape Measure	21" x 44" ($\pm 1.0"$)	21 x 44	Pass
Basic Weight	TAPPI T-410	135 $\pm$ 5 g/m ²	138	Pass

Absorbency

Test	Method	Specification	Actual	Result
Sorptive Efficiency	IENT-RP.CC004.3	Min. 2 ml/g	2.2	Pass
Sorptive Capacity	IENT-RP.CC004.3	Min. 310 ml/m ²	335	Pass
Sorptive Rate	IENT-RP.CC004.3	< 1 sec	0.5	Pass

Cleanliness

Test	Method	Specification	Actual	Result
LPC ($\geq 0.5\mu\text{m}$)	IENT-RP.CC004.3	< 11 x 10 ⁶ particles/m ²	4.45	Pass
TNVR - IPA	IENT-RP.CC004.3	Max. 0.1 g/m ²	0.080	Pass
TNVR – DI H2O	IENT-RP.CC004.3	Max. 0.02 g/m ²	0.060	Pass

Extractables

Test Method: IEST-RP.CC004.3

Ions	Specification	Actual	Result
Sodium	Max. 0.2 ppm	0.021	Pass
Potassium	Max. 0.2 ppm	0.062	Pass
Calcium	Max. 0.5 ppm	0.094	Pass
Magnesium	Max. 0.2 ppm	0.003	Pass
Ammonium	Max. 0.3 ppm	0.031	Pass
Nitrate	Max. 0.3 ppm	ND	Pass
Fluoride	Max. 0.2 ppm	ND	Pass
Nitrite	Max. 0.2 ppm	ND	Pass
Bromide	Max. 0.2 ppm	ND	Pass
Phosphate	Max. 0.3 ppm	ND	Pass
Chloride	Max. 0.2 ppm	0.010	Pass
Sulphate	Max. 0.2 ppm	0.004	Pass

Fourier Transform Infra-Red Test

FTIR	Method	Specification	Actual	Result
Silicone, Amide & DOP	IEST-RP.CC004-3	Absent	Absent	

Notes:



Tested by:
Renugaa Krishnan
 Laboratory Coordinator



Approved by:
Vijendraan Venkitasalam
 Quality Manager