



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-99
Product Type:	Polyester Wiper
Edge Treatment:	Cold Knife Cut
Lot Number:	231211-100842
Sample Received Date:	02-15-2024
Manufacturing Date:	11-12-2023
Test Date:	12-11-2023

Page 1 of 2

Physical Properties

Test	Method	Specification	Actual	Result
Dimensions	Tape Measure	9" x 9" ($\pm 0.5"$)	8.7 x 9.2	Pass
Basic Weight	TAPPI T-410	135 $\pm$ 5 g/m ²	140	Pass

Absorbency

Test	Method	Specification	Actual	Result
Sorptive Efficiency	IEST-RP.CC004.3	Min. 2 ml/g	2.2	Pass
Sorptive Capacity	IEST-RP.CC004.3	Min. 310 ml/m ²	362	Pass
Sorptive Rate	IEST-RP.CC004.3	< 1 sec	0.5	Pass

Cleanliness

Test	Method	Specification	Actual	Result
LPC ($\geq 0.5\mu\text{m}$)	IEST-RP.CC004.3	< 11 x 10 ⁶ particles/m ²	4.32	Pass
TNVR - IPA	IEST-RP.CC004.3	Max. 0.1 g/m ²	0.040	Pass
TNVR – DI H2O	IEST-RP.CC004.3	Max. 0.02 g/m ²	0.007	Pass

Extractables

Test Method: IEST-RP.CC004.3

Ions	Specification	Actual	Result
Sodium	Max. 0.2 ppm	0.126	Pass
Potassium	Max. 0.2 ppm	ND	Pass
Calcium	Max. 0.5 ppm	0.071	Pass
Magnesium	Max. 0.2 ppm	0.043	Pass
Ammonium	Max. 0.3 ppm	0.068	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	0.082	Pass
Chloride	Max. 0.2 ppm	ND	Pass
Sulphate	Max. 0.2 ppm	ND	Pass

Notes:



Tested by:
Renugaa Krishnan
 Laboratory Coordinator



Approved by:
Vijendraan Venkitasalam
 Quality Manager