



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-2020
Product Type:	Polyester Wiper
Edge Treatment:	Cold Knife Cut
Lot Number:	240625-100948
Sample Received Date:	06-30-2024
Manufacturing Date:	06-25-2024
Test Date:	07-05-2024

Page 1 of 2

Physical Properties

Test	Method	Specification	Actual	Result
Dimensions	Tape Measure	20" x 20" ($\pm 1.0"$)	20 x 20	Pass
Basic Weight	TAPPI T-410	135 $\pm$ 5 g/m ²	135	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	351	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	8.17	Pass
TNVR - IPA	IENT-RP.CC004.3	Max. 0.1 g/m ²	0.060	Pass
TNVR – DI H2O	IENT-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	0.015	Pass
Potassium	Max. 0.2 ppm	ND	Pass
Calcium	Max. 0.5 ppm	0.014	Pass
Magnesium	Max. 0.2 ppm	0.054	Pass
Ammonium	Max. 0.3 ppm	0.037	Pass
Nitrate	Max. 0.3 ppm	ND	Pass
Fluoride		0.019	Pass
Nitrite	Max. 0.2 ppm	ND	Pass
Bromide		ND	Pass
Phosphate	Max. 0.3 ppm	0.023	Pass
Chloride		0.050	Pass
Sulphate	Max. 0.2 ppm	0.080	

Fourier Transform Infra-Red Test

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

Notes:



Tested by:
Renugaa Krishnan
 Laboratory Coordinator



Approved by:
Vijendraan Venkitasalam
 Quality Manager