



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:	VTPNWLS-2020
Product Type:	Polyester Wiper
Edge Treatment:	Laser Sealed
Lot Number:	240308-100882
Sample Received Date:	03-18-2024
Manufacturing Date:	03-08-2024
Test Date:	03-26-2024

Page 1 of 2

Physical Properties

Test	Method	Specification	Actual	Result
Dimensions	Tape Measure	20" x 20" ($\pm 0.5"$)	20.0 x 20.0	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	342	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	< 10 x 10 ⁶ particles/m ²	8.21	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	0.001	Pass

Extractables

Test Method: IEST-RP.CC004.3

Ions	Specification	Actual	Result
Sodium	Max. 0.2 ppm	0.012	Pass
Potassium	Max. 0.2 ppm	0.014	Pass
Calcium	Max. 0.5 ppm	0.012	Pass
Magnesium	Max. 0.2 ppm	0.038	Pass
Ammonium	Max. 0.3 ppm	0.046	Pass
Nitrate	Max. 0.3 ppm	0.035	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	0.028	Pass
Chloride	Max. 0.2 ppm	0.040	Pass
Sulphate	Max. 0.2 ppm	0.085	Pass

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