



INNOVATIVE SOLUTIONS FOR CRITICAL ENVIRONMENTS

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CERTIFICATE OF ANALYSIS

Part Number:	VTPNW-99
Product Type:	Polyester Wiper
Edge Treatment:	Cold Knife Cut
Lot Number:	221218-100596
Sample Received Date:	01-16-2023
Manufacturing Date:	12-18-2022
Test Date:	12-28-2022

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Physical Properties

Test	Method	Specification	Actual	Result
Dimensions	Tape Measure	9" x 9" ($\pm 0.5"$)	9.0 x 9.0	Pass
Basic Weight	TAPPI T-410	135 $\pm$ 5 g/m ²	138	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	322	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	6.73	Pass
TNVR - IPA	IEST-RP.CC004.3	Max. 0.1 g/m ²	0.042	Pass
TNVR – DI H2O	IEST-RP.CC004.3	Max. 0.02 g/m ²	0.013	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	0.060	Pass
Calcium	Max. 0.5 ppm	0.090	Pass
Magnesium	Max. 0.2 ppm	0.003	Pass
Ammonium	Max. 0.3 ppm	0.031	Pass
Nitrate	Max. 0.3 ppm	0.001	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	0.001	Pass
Sulphate	Max. 0.2 ppm	0.002	Pass

Notes:



Tested by:
Renugaa Krishnan
 Laboratory Coordinator



Approved by:
Vijendraan Venkitasalam
 Quality Manager